WSRC-STI-2008-00226
Publication Date: June 2008

Annual Radioactive Waste Tank Inspection Program - 2007

Washington Savannah River Company
Savannah River Site
Aiken, SC 29808

Prepared for the U.S. Department of Energy under Contract No. DE-AC09-96SR18500

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Acronyms and Abbreviations

A	Annulus
ADMP	Advanced Design Mixer Pump
ASME	American Society of Mechanical Engineers
BFV	Back Flush Valve
CCTV	Closed Circuit Television
CCWS	Chromate Cooling Water System
COP	Clean Out Port
DB	Diversion Box
DOE-SR	Department of Energy-Savannah River
DP	Direct Photography
DSP	Digital Still Photography
DWPF	Defense Waste Processing Facility
ETF	Effluent Treatment Facility
EVAP	Evaporator
GDL	Gravity Drain Line
HLLCP	High Liquid Level Conductivity Probe
HPFP	High Point Flush Pit
I	Interior
IAL	Inter-Area Line
ISI	In-Service Inspection
JB	Junction Box
LDB	Leak Detection Box
LPPP	Low Point Pump Pit
LPS	Leak Probe Sleeve
MLDB	Modified Leak Detection Box
OD	Outside Diameter
PP	Pump Pit
psig	pounds per square inch gauge
PT	Pump Tank
RCP	Reinforced Concrete Pipe
SRS	Savannah River Site
STE	Shift Technical Engineer
SWS	Storm Water Sewer
TTJ	Telescopic Transfer Jet
TTP	Telescopic Transfer Pump
UT	Ultrasonic Nondestructive Examination
VB	Valve Box
WAP	Wide-Angle Photography
WLE	Waste Line Encasement
WSRC	Washington Savannah River Company
WT	Waste Transfer Line

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Introduction

Aqueous radioactive wastes from Savannah River Site (SRS) separations and vitrification processes are contained in large underground carbon steel tanks. Inspections made during 2007 to evaluate these vessels and other waste handling facilities along with evaluations based on data from previous inspections are the subject of this report.

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Summary

The 2007 inspection program revealed that the structural integrity and waste confinement capability of the Savannah River Site waste tanks were maintained.

A very small amount of material had seeped from Tank 12 from a previously identified leaksite. The material observed had dried on the tank wall and did not reach the annulus floor.

A total of 5945 photographs were made and 1221 visual and video inspections were performed during 2007. Additionally, ultrasonic testing was performed on four Waste Tanks (15, 36, 37 and 38) in accordance with approved inspection plans that met the requirements of WSRC-TR-2002-00061, Revision 2 "In-Service Inspection Program for High Level Waste Tanks". The Ultrasonic Testing (UT) In-Service Inspections (ISI) are documented in a separate report that is prepared by the ISI programmatic Level III UT Analyst. Tanks 15, 36, 37 and 38 are documented in "Tank Inspection NDE Results for Fiscal Year 2007"; WSRC-TR-2007-00064.

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Inspection Program

Background

Alkaline aqueous radioactive wastes produced at the Savannah River Site are received and managed in large underground tanks. The waste came primarily from dissolving nuclear targets and nuclear fuel reprocessing operations in the separations areas (F and H) and contains most of the radioactive fission products from SRS operations. In addition, H tank farm receives recycle waste from the DWPF vitrification process. Some of this waste has been transferred to F Area waste tanks from H tank farm. The waste stored in the tanks is present in three phases: sludge, supernate, and salt formed by supernate evaporation and cooling. The supernate and salt phases consist primarily of NaNO3, NaOH and NaNO2. The fission product content is 1 to 20 curies per gallon (mostly Cs-137/Ba137m) for the supernate and up to 5 curies per gallon for the salt. The sludge consists primarily of MnO2, Al(OH)3 and Fe(OH)3 with a fission product content up to 820 curies per gallon (mostly Sr-90/Y-90).

Waste tank leak detection capabilities are essential to meet the primary objective of the SRS radioactive waste management program to manage the waste in such a manner as to minimize the radiation exposure and associated risk to man and his environment over the lifetime of the radionuclides.

The waste tanks are designated compliant or noncompliant based on type of containment, type of leak detection and/or leakage. Noncompliant tanks do not meet current standards for secondary containment and/or leak detection or have leaked. Tanks 1 through 24 are noncompliant. All other waste tanks are compliant.

The detection of leaked waste is based on two principles: disappearance of material from its primary location and appearance of material in a secondary location. At SRS, primary reliance is on the latter because the quantity of the waste detectable in an improper location is much less than that detectable by inventory change in a large tank. Capacity of SRS tanks is 0.75 to 1.3 million gallons. Although rigorous tank inventory surveillance is practiced, primary leak detection methods rely on automatic surveillance of those areas into which the leaked waste is most likely to migrate.

The annulus of each double-wall tank is equipped with at least two single-point conductivity probes for leak detection. These probes are located at the bottom of the annulus and on opposite sides of the tank where possible. The single-wall tanks are built on slabs with a network of leak collection channels that drain to a common sump. Sump levels are continuously monitored with alarm capability in control rooms. Besides the automatic surveillance, routine direct visual surveys are made in the annular spaces, and nonroutine direct visual surveys are made in primary tanks through opened access risers and/or inspection ports in the roof.

In 1961-62, following leakage of waste into the annuli of Tanks 9, 10, 14, and 16, the first remote imaging inspections were made of some tanks using a periscope. Random inspections continued through 1970. A program was initiated in November 1971 to periodically inspect all waste tanks, using remote visual imagery techniques to monitor for corrosion and other degradation, waste leakage, anomalies of any type, and to investigate process or equipment concerns.

Steel thickness measurements have been made periodically of waste tanks using ultrasonic techniques to monitor for general

corrosion. An analog-type instrument was used in 1967 and 1969 to measure the thickness of the primary wall of selected double-wall tanks. In 1972, a more precise instrument was put in service. About 24,000 measurements made over a period of 14 years (1972 through 1985) indicated that no general thinning trends of SRS tanks had occurred. Steel thickness measurements were resumed in 1994 using an updated ultrasonic testing (UT) system. The system was updated again in 2002 using improved technology to detect thinning, pitting and cracks.

To date, the only visually observed service-induced corrosion was in Tank 23, a tank with a unique service history. The upper wall interior surfaces show general corrosion with mild pitting. The pitting is broad but shallow. Evaluation of this condition is documented in DPSP-85-11-4. This tank was used to receive contaminated water from 244-H, the Receiving Basin for Off-Site Fuels, and 245-H, the Resin Regeneration Facility. No increase in the pitting or general corrosion has been observed.

Inspections of waste tanks are complicated by factors such as radiation and radioactive contamination, remote operation as far as 40 feet below grade, and insertion of equipment through small (generally 5 to 8-inch-diameter) access openings. Inspection techniques to circumvent these difficulties have been developed, and they yield quality visual images (photographic) and/or volumetric measurements (UT). The techniques include photographic systems, closed circuit television systems, and ultrasonic systems to measure steel thickness, cracking and pitting.

Waste tank inspection has been important in leak detection. The leaksites in ten of thirteen tanks with documented leaksites have been discovered by direct visual inspection or by one of the remote inspection techniques. Since the inspection program was initiated in 1971, eight tanks were found to have leaksites that were not recognized before the program was implemented. With one exception, Tank 6 in 2001, the annulus conductivity probes in the double-wall tanks were not activated by these leaks because of the small amount of leakage. The leaked waste evaporated to dryness, sealing the leaksites before any leaked waste reached a leak detection probe. However, remote inspections detected the dry deposits of salt in the annuli and/or on the walls of these tanks.

The waste tank Visual Inspection Program and the ISI (UT) programs are ongoing programs. This report gives results of 2007 visual inspections and "limited" UT data and summarizes significant findings of previous UT and visual inspections for each waste tank.

Tank Description

SRS has subsurface storage tanks of four different designs. All of the tanks are constructed of carbon steel and reinforced concrete. They serve as containment vessels for storage and processing of radioactive wastes. Appendix A lists tank location, design type, project number, and construction period. A brief description of the different tank designs is given in the following paragraphs.

Type I Tanks

The 12 original storage tanks constructed between 1951 and 1953 are designated Type I tanks. Tanks 1 through 8 are in F Area and Tanks 9 through 12 are in H Area. Each primary tank has a capacity of 750,000 gallons. Figure 1 shows the general features of Type I tanks, including the primary tank, the secondary pan, and the concrete support structure. Type I tanks are designated as being noncompliant.

A 9-foot layer of earth was placed over the tanks for radiation shielding. Cooling for each Type I tank is provided by 36 parallel (water pipe) cooling coils.

A dehumidification duct in the annulus of each tank is routed from the tank top to the bottom of the annulus where it encircles all but 8 feet of the tank. The duct has distribution outlets and its cross-sectional area decreases as the distance from the air supply increases. Access to the tank interior is provided at eight locations, and to the annular space at four locations, through riser pipes. Each of the 12 riser pipes is capped at the top with a concrete plug. Each plug is provided with two 5-inch-diameter ports equipped with removable plugs unless equipment has been installed to support waste removal or tank closure activities. The center plug port may provide access through three 4 to 8 inch diameter ports. Some of these ports provide access for inspections.

All welds in the pan and primary tank were radiographically inspected, defects were corrected, and the welds were rechecked radiographically. The welds in the flat bottoms of both the pan and the tank were vacuum-tested for leaks. Additionally, both vessels were hydrostatically tested. The water was maintained at full height in the tank for 24 hours before inspection for leaks was made. Cooling water piping was hydrostatically tested at 300 psig and then leak-tested with 100 psig air pressure in the piping.

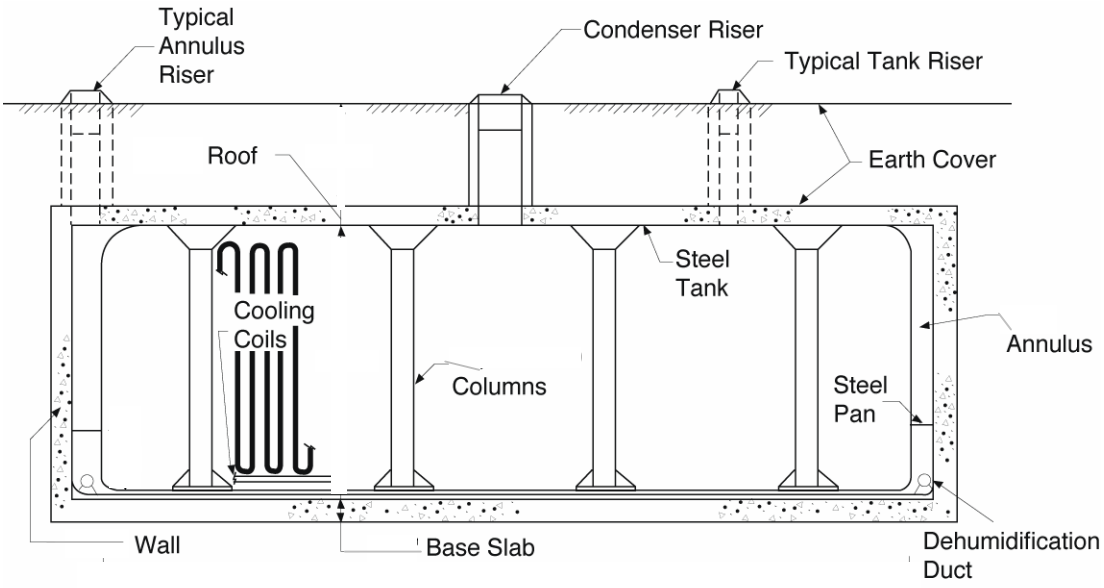

Figure 1. Cooled Waste Storage Tank, Type I (Original 750,000 Gallons).

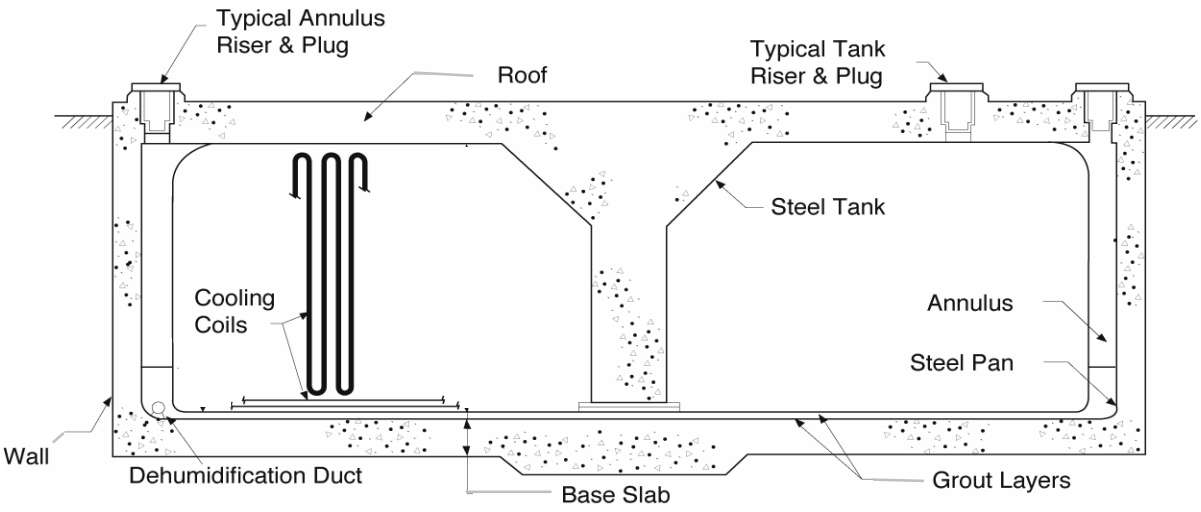

Figure 2. Cooled Waste Storage Tank, Type II (Original 1,030,000 Gallons).

Type II Tanks

Tanks 13 through 16, constructed in H Area in 1955 and 1956, are designated Type II tanks. Figure 2 is a cross section of this type of tank. Each primary tank has a capacity of 1,030,000 gallons. Type II tanks are designated as being non-compliant.

The primary container for Type II tanks consists of two concentric steel cylinders assembled with a flat bottom and a flat top into a form somewhat like a doughnut. The top and bottom are joined to the outer cylinder by rings of curved knuckle plates. The inner cylinder is flared at the top to accommodate the roof support column. This cylinder is joined to the flat steel top with a continuous butt weld and to a base fastened to the bottom with a continuous T-weld.

The primary tank is set on a 1-inch sand bed within a circular pan of 1/2-inch thick steel plate, 5 feet deep and 5 feet larger in diameter than the primary tank, thus forming an annular space 2 1/2 feet wide. The tank and pan assembly are surrounded by a cylindrical reinforced concrete enclosure and a flat concrete roof. The tank and pan assembly and the surrounding wall are set on a foundation slab that is 42 inches thick. The roof is supported by both the wall and a central concrete column that fits within the inner cylinder of the vessel. The concrete roof provides radiation shielding; therefore, no earth overburden is required.

Cooling for each Type II tank is provided by 44 parallel (water pipe) cooling coils. Access to the tank interior is provided at eight locations, and to the annular space at four locations, through riser pipes. Each of the 12 riser pipes is capped at the top with a concrete plug. Each plug is provided with two 5-inch-diameter ports equipped with removable plugs. The ports provide access for inspection. In addition to the four annulus risers, other access openings (10 to 14 additional openings per tank) have been drilled into the annulus of each of these tanks to permit inspection of seventy-three to ninety-six percent of the exterior walls of the primary vessels.

A dehumidification duct in the annulus of each tank is routed from the tank top to the bottom of the annulus where it encircles all but 14 feet of the tank. The duct has distribution outlets, and its cross-sectional area decreases as the distance from the air

supply increases.

All welds in the primary tanks were radiographically inspected, defects were corrected, and the welds were rechecked radiographically. However, the annulus pans were not inspected radiographically. The welds in the flat bottoms of these pans and the primary tanks were vacuum-tested for leaks, and the primary and secondary vessels were hydrostatically tested. Cooling water piping was hydrostatically tested at 300 psig and then leak-tested, with 100 psig air pressure in the piping.

Type IV Tanks

Tanks 17 through 24 are single-wall-uncooled tanks. These tanks were designed for storage of waste that does not require auxiliary cooling. Tanks 17 through 20 were constructed in F Area in 1956 and Tanks 21 through 24 were constructed in H Area in 1960. Each tank has a capacity of 1,300,000 gallons. Figure 3 shows the general features of Type IV tanks. Type IV tanks are designated as being non-compliant. Each Type IV tank is basically a steel-lined, prestressed-concrete tank in the form of a vertical cylinder with a domed roof. Carbon steel plates were used to form the cylindrical sides and flat bottom portion of the steel liners. Concrete was built up around the steel vessel by the "shotcrete" technique.

Access to the interior of the tank is provided at six locations through riser pipes. Each riser pipe is capped at the top with a concrete plug. Some of these risers provide access for inspection.

All welds in the steel liners were radiographically inspected. All of the welded tank-bottom seams and the upper seams of the knuckle rings were vacuum leak-tested. Prior to the back-filling operation, each tank was hydrostatically tested by filling with water to the normal fill line. The tank was allowed to remain filled until it was to be placed in use for waste storage.

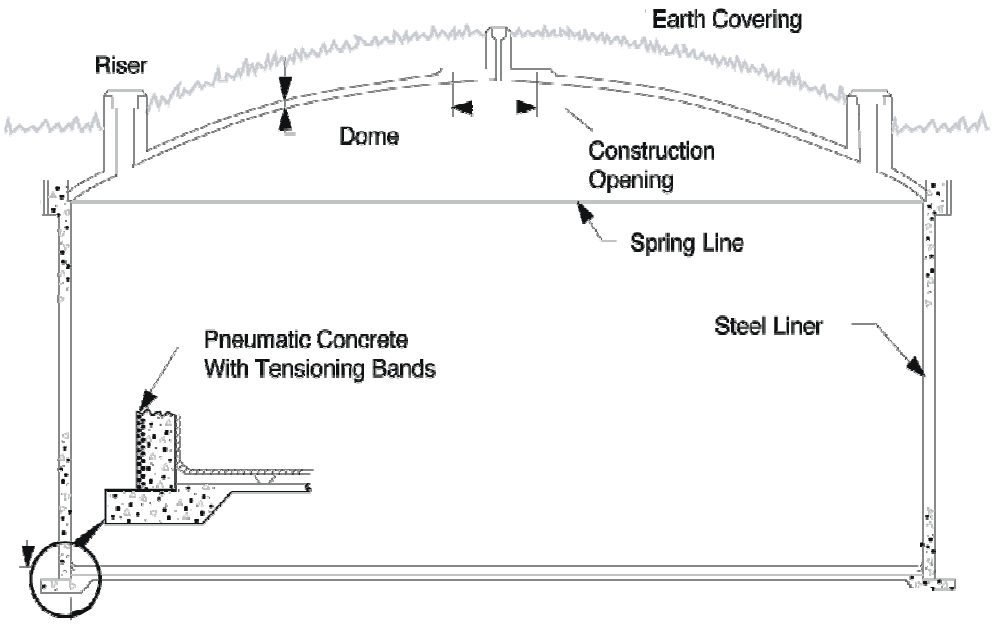

Figure 3. Uncooled Waste Storage Tank, Type IV (Prestressed Concrete Walls, 1,300,000 Gallons).

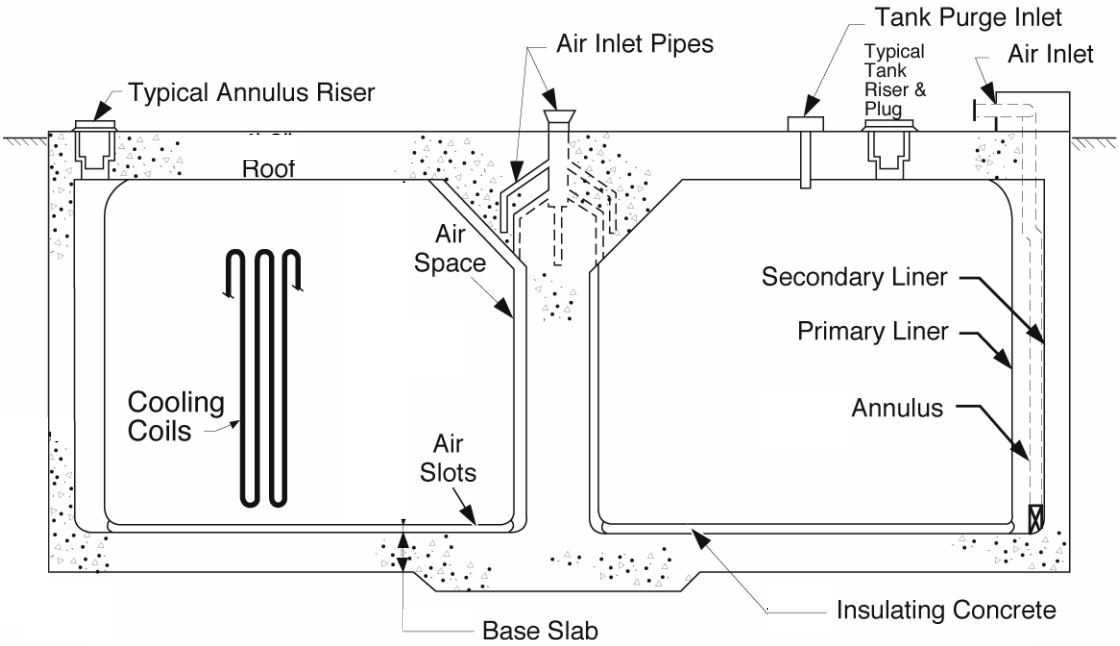

Figure 4. Cooled Waste Storage Tank, Type III (Stress Relieved Primary Liner, 1,300,000 Gallons).

Type III Tanks

The most recently constructed tanks are designated as Type III tanks (Figure 4). Twenty-seven tanks were built between 1966 and 1981. Figure 4 shows the general features of the Type III tanks. Type III tanks are designated as compliant.
The Type III tank design was developed after an investigation into the causes of the leaks from the primary vessel of the Type I and Type II tanks. The study concluded that the leak-producing mechanism was nitrate-induced, stress-corrosion cracking at sites in or near the weld seams, and that stress relieving after fabrication should eliminate the cracking. For the Type III tanks, means were provided for heating each finished tank to relieve the stresses generated during fabrication. In addition, some stress patterns were avoided, or minimized, by mounting the roof supporting column on the foundation pad rather than on the bottom of the primary tank (as in Types I and II), and by providing an annular clearance around the roof supporting column. Each primary tank holds 1,300,000 gallons.

Type III tanks are similar to the doughnut-like design of Type II tanks. Each primary vessel is made of two concentric cylinders joined to washer-shaped top and bottom plates by curved knuckle plates.

The primary tank is set on a 6-inch bed of insulating concrete within the secondary containment vessel. The concrete bed is grooved radially so that ventilating air can flow from the inner to the outer annulus. If any waste were to leak from the tank bottom or center annulus wall, liquid would move through the grooves, facilitating detection in the outer annulus.

The secondary vessel is 5 feet larger in diameter than the tank, thus providing an

outer annulus 2 1/2 feet wide. Its sidewalls rise to the full height of the primary tank. The nested two-vessel assembly is surrounded by a cylindrical reinforced concrete wall. The enclosure has a 48-inch-thick flat reinforced concrete roof that is supported by the concrete wall and a central column that fits within the inner cylinder of the vessel.
Cooling for the Type III tanks is provided by either deployable (water pipe) cooling coil bundles installed through risers in the tank top, or 23 parallel (water pipe) cooling coils distributed throughout the tank.

A dehumidification duct in the annulus of each tank is routed from the tank top to the bottom of the annulus where it encircles the tank. The duct has distribution outlets and its cross-sectional area decreases as distance from the air supply increases. In these tanks, additional airflow is directed through the inner annulus, passing beneath the primary tank through radial grooves in the concrete base slab, and is exhausted into the outer annulus.

Tanks 29 through 34 were placed in service prior to 1976. These tanks were constructed with annulus riser pipes at four locations providing inspection access through 5-inch-diameter ports. All other Type III tanks were placed in service after 1976 and have annulus riser pipes at 18 locations that are 8-inches in diameter. These ports are equidistant around the tank and provide for inspection of all of the exterior wall of the primary vessel. In 1982, fourteen to sixteen additional 8-inch diameter ports per tank were drilled in the tops of Tanks 29 through 34 to provide adequate access ports for inspection of all of the exterior wall of their primary vessels. All Type III tanks have interior riser pipes at various locations that provide inspection access through ports with diameters ranging from 4 to 8 inches. All inspection access ports are equipped with removable plugs.

All butt welds on the primary tanks were radiographically inspected, except welds on the horizontal roof surface. On the secondary vessels of Tanks 29 through 34, all butt welds joining bottom plates, knuckle plates, and the lowest courses of center-column and outer-wall plates, were radiographically inspected. On all other Type III tanks, all plate welds in the secondary tanks were radiographically inspected. All defects were corrected and the welds were rechecked radiographically.

The Quality Assurance Program included inspection of all radiographs by two independent groups of certified weld inspectors, and all radiographs were permanently stored for future reference. All spots on the inside or outside of the primary tanks and the inside of the secondary tanks, where clips or lugs were removed and where other excisions were made, were examined by magnetic particle or liquid penetrant techniques, and any defects were repaired.

All butt welds on the secondary tanks were vacuum leak-tested. All welds in the bottom assemblies of the primary tanks, including knuckle rings and lowest course welds, were vacuum leak-tested before each bottom assembly was lowered into final position, and then tested a second time after the stress-relieving operation. A full hydrostatic test, the filling of each primary tank to a depth of 32 feet and allowing it to stand 48 hours, was conducted after stress relieving. No leaks were found by the hydrostatic tests. All circumferential welds in the pipe loops of the deployable cooling coil bundles below the 1/2-inch-thick plate at the base of the riser plug were radiographed. The assembled cooler piping was tested hydrostatically to 500 psig and halide leak-tested at 300 psig. Welds in the distributed cooling coils were radiographed and similarly

leak-tested.

The primary tank was Post Weld Heat Treated (PWHT) in place after all high temperature work (other than roof attachments) had been completed. PWHT was accomplished in accordance with the general requirements of the ASME Boiler and Pressure Vessel code.

Inspection Methods

Techniques have been developed for remote examination and evaluation of the waste tanks and waste tank ancillaries. For visual imaging, direct photography systems developed at SRS were the primary method used. Closed circuit television systems were also used where direct photography was not possible or where these systems provided a more comprehensive examination. Only the direct photography systems will be described since the video systems are similar to systems used widely in industry.

In 2007 a conversion was made from film to digital photography. This change was made due to the significant improvements and advantages of digital photography. Wide-angle direct photography was used for general inspections of double-wall tank annuli and the primary vessels of both double-wall tanks and single-wall tanks. This technique surveys a large area of the tank and annulus floor in a single photograph. The camera used for wide-angle photography was a Nikon D50 camera body, with a Voigtlander aspherical 12mm, f5.6 aperture lens. This lens is distortion free with a field of view of approximately 120 degrees. A bank of four electronic flash units was synchronized with this camera to provide illumination.

Another direct photography technique was used for detailed inspections. This technique provides detailed views of the tank in a series of photographs. The camera used was a Nikon D50 camera body, with a Voigtlander aspherical 12mm, f5.6 aperture lens, the same as used for the wide-angle direct photography. Illumination is provided by a single electronic flash unit.

Program Implementation

Visual Imagery

The 2007 inspection program used two visual imagery techniques: photography and closed circuit television. The primary inspection methods were direct photography techniques; e.g., making a series of photographs providing detailed views of the tank and wide-angle photography for obtaining overviews of large areas. Closed circuit television systems were generally used to further investigate conditions found during scheduled inspections and to document conditions and troubleshoot process problems in tanks and ancillaries.

The inspection program objective to continuously evaluate the waste tanks was satisfied in 2007 by photographic and videotape documentation. Inspections were made through all accessible annulus risers of the double-wall tanks and at least one inspection was made in the interior of each single-wall tank.

For Tanks 1 through 12, inspections are limited to no more than 25% of the exterior of the primary vessel wall and the annular space due to limited annulus access. These tanks are continuously monitored for leakage by instrumentation installed in their annuli.

Additionally, for those tanks that have known leaksites in the primary vessel, the supernate phase has been removed, minimized, or the level lowered below the level of known leaksites. Inspections revealing no changes on these tanks are denoted as "Remote visual tank wall inspection revealed no changes since last evaluated."

2007 Inspection Results

The 2007 inspection program was successfully completed. The annuli of all double-wall tanks were inspected via all accessible risers and the interiors of single-wall tanks remaining in service were inspected. Other inspections of waste tanks and ancillaries were performed as required by operating conditions and equipment performance requirements.

Ultrasonic nondestructive examinations were performed in Tanks 15, 36, 37 and 38. A full scope examination was performed at Tank 15. This included four 8.5 inch wide vertical strips for the entire accessible height, 10% of a middle horizontal weld, one vertical weld and ten cracks scanned in 2002 were examined for crack growth. The tank was examined for wall thinning, pitting and crack detection. No significant wall thinning or pitting was detected however; four cracks, located in the vapor space above the sludge, had grown. The growth remained confined to the residual stress zone adjacent to the weld and therefore is consistent with the previous understanding that cracks will be relatively short range in nature. Each of these growing cracks was evaluated and it was demonstrated that the tank still remains structurally stable in the current condition and for the anticipated waste removal conditions. Details on the cracks and the evaluation are included in "A Structural Impact Assessment of Flaws Detected During Ultrasonic Examination of Tank 15 (U), WSRC-TR-2002-00590, Rev 1. Reduced augmented scope examinations were performed on Tanks 36, 37, 38. This consisted of examining one 8.5 inch wide vertical strip for the entire accessible height for wall thinning, pitting and crack detection. Examinations of the secondary vessel wall and annulus floor were performed beneath one riser in Type III/IIIA tanks only. Accessible plates on the secondary wall were

examined for thinning and pitting. Also, a 10-inch wide strip on the annulus floor was examined for thinning and pitting. No areas of reportable service induced thinning, pitting or cracking were detected on the primary vessel walls, or secondary vessel walls. Reportable areas were observed on the annulus floor and secondary wall. Details of these inspections are documented in WSRC-TR-2007-00064.

Rainwater continued to leak into the annulus of some tanks. Inleakage was evidenced primarily by surface stains, and occasionally by calciferous deposits, changed configuration of salt deposits in the annulus, and mild surface corrosion.

Except as noted above, the conditions of the tanks remained essentially unchanged from the conditions reported in 2006. Details and results for inspections of the tanks and ancillaries performed in 2007 are listed in Appendix B.

Summary of Inspection Results

The following is a brief description of tank conditions as revealed by inspections and examinations made through 2007. [NOTE: When a tank is "removed from active service", no waste transfers into or out of that tank are allowed.]
The status of non-compliant tanks are reported in ESH-EPG-2008-00012, "CY2007 Annual Report Status of F?H Area Radioactive Waste Tanks Being Removed from Service".

Tank 1

Tank 1 was placed in service in 1954. A small amount of dry waste was observed on the annulus floor in 1969. Subsequent inspections have revealed no additional leakage. Inspection of the exterior wall of the primary vessel is limited to 25% using existing inspection techniques through the four risers that provide access to the annulus. Visual examinations of the observable portion of the tank wall have not revealed the location of the leak(s). Inspection photographs of the steel surface of the tank and the annulus have shown no significant surface corrosion or other anomalies. Ultrasonic measurements made in 1978, 1979, 1981, 1983, and 1985 showed that no detectable thinning of the tank wall had occurred.

Tank 2

Tank 2 was placed in service in 1955. Visual examinations of the observable portion (25%) of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. Ultrasonic measurements made in 1967, 1972, 1973, 1977, 1981, and 1985 showed no detectable thinning of the tank wall.

Tank 3

Tank 3 was placed in service in 1956. Visual examinations of the observable portion (25%) of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. Ultrasonic measurements made in 1973, 1977, 1981, and 1985 showed no detectable thinning of the tank wall.

Tank 4

Tank 4 was placed in service in 1961. Visual examinations of the observable portion (25%) of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. Ultrasonic measurements made in 1973, 1977, 1981, and 1985 showed no detectable thinning of the tank wall.

Tank 5

Tank 5 was placed in service in 1959. Tank 5 was removed from active service in November 1990. Visual examinations of the observable portions (25%) of the exterior of the primary vessel wall and the annulus through calendar year 2000 had shown no leakage, significant surface corrosion, or other anomalies. The tank was returned to active service in 2000 to support tank closure activities. Several months after liquid was added to the tank in 2001, a magnetically mounted wall crawler with a video camera attached was deployed which enabled an additional 50% of the primary vessel wall to be inspected. These inspections revealed 15 leaksites. Less than 5 gallons of waste had reached the annulus floor. Waste was removed from the tank to a level below the lowest known leaksite. During waste removal activities initiated in 2005, three new leaksites were discovered. All leaksites were adjacent to welds and attributed to stress corrosion cracking. Ultrasonic measurements made in 1973, 1977, 1981, and 1985 showed no detectable thinning of the tank wall.

Tank 6

Tank 6 was placed in service in 1964. Tank 6 was removed from active service in October 1990. Visual examinations of the observable portions (25%) of the exterior of the primary vessel wall and the annulus through calendar year 2000 had shown no leakage, significant surface corrosion, or other anomalies. The tank was returned to active service in 2000 to support tank closure activities. The first indication of leakage from the tank was in January 2001 when an annulus conductivity probe alarm was received. Liquid was observed on the annulus floor; however, no leaksites could be located from the four risers used to inspect the tank. In February 2001, a magnetically mounted wall crawler with a video camera attached enabled an additional 48% of the primary vessel wall to be examined. These inspections revealed 6 leaksites. Approximately 92 gallons of waste reached the annulus floor. Waste was removed from the tank to a level below the lowest known leaksite. All leaksites were adjacent to welds and attributed to stress corrosion cracking. Ultrasonic measurements made in 1974, 1977, 1978, 1979, 1981, and 1985 showed no detectable thinning of the tank wall.

Tank 7

Tank 7 was placed in service in 1954. Tank 7 was removed from active service in November 1989. Visual examinations of the observable portion (19%) of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. Ultrasonic measurements made in 1974, 1979, 1981, 1983, and 1985 showed no detectable thinning of the tank wall. Tank 7 was returned to active service in 2002 to support waste removal activities.

Tank 8

Tank 8 was placed in service in 1956. Tank 8 was removed from active service in September 1992. Tank 8 was returned to active service in 2001 to support waste removal activities. Visual examinations of the observable portion (25%) of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. A magnetically mounted wall crawler with a video camera attached enabled inspection of an additional 34% of the primary vessel wall and annulus. No leakage, significant surface corrosion, or other anomalies were observed. Ultrasonic measurements made in 1973,

1977, 1981, and 1985 showed no detectable thinning of the tank wall.

Tank 9

Tank 9 was placed in service in 1955. Liquid waste was observed in the annulus pan in 1957. Currently, the annulus pan contains 8 to 10 inches of salt deposits. Visual examinations of the observable portion (13%) of the exterior of the primary vessel wall have shown three leaksites high on the tank wall; 269, 271, and 276 inches above the tank bottom. None of these leaksites are the source of the leaked waste in the annulus pan. The waste leaked at these sites was only enough to form localized salt nodules. The leak(s) that are the source of the waste in the annulus pan have not been observed. Inspections have shown no significant surface corrosion, and the ultrasonic measurements made in 1979 and 1983 showed no detectable thinning of the tank wall.

Tank 10

Tank 10 was placed in service in 1955. The first indication that Tank 10 had leaked was in 1959 when dry waste was discovered in the annulus pan during a visual inspection. Currently, the annulus pan contains about 2 - 3 inches of salt deposits. Visual examinations of the observable portion (19%) of the exterior of the primary vessel wall have not shown the source of the leaked waste or any other leaksite(s). Inspections have shown no significant surface corrosion, and the ultrasonic measurements made in 1979 and 1983 showed no detectable thinning of the tank wall.

Tank 11

Tank 11 was placed in service in 1955. Tank 11 was removed from active service in July 1989. Inspections performed in 1974 revealed two leaksites. The leaksites are 189 and 235 inches above the tank bottom. Visual examinations of the observable portions (25%) of the exterior of the primary vessel wall have shown no significant surface corrosion, and ultrasonic measurements made in 1973, 1977, 1981, and 1985 showed no detectable thinning of the tank wall. The tank was returned to service in 2004 for waste removal activities.

Tank 12

Tank 12 was placed in service in 1956. Tank 12 was removed from active service in July 1990. Inspections in 1974 and 1984 revealed two leaksites. The leaksites are 93 and 105 inches above the tank bottom. Inspections in 2004 revealed a new leaksite at 95 inches above the tank bottom. Water additions were made in 2005 to re-wet the dry sludge in preparation of waste removal. Inspections in 2005 revealed two new leaksites at 70 and 129 inches above the tank bottom. A small amount of seepage was observed on the tank wall beneath the leaksite located at 70 inches above the tank bottom in 2007. Visual examinations of the observable portions (25%) of the exterior of the primary vessel wall have shown no significant surface corrosion, and ultrasonic measurements made in 1972, 1973, 1977, 1981, 1983, and 1985 showed no detectable thinning of the tank wall. The tank was returned to service in 2004 for waste removal activities.

Tank 13

Tank 13 was placed in service in 1956. Ninety percent of the exterior of the primary vessel wall is observable via the 13 risers that provide access to the annulus. Inspections in 1977 revealed a leaksite 279 inches above the tank bottom. In 1980, another leaksite was discovered 269 inches above the tank bottom. Visual examinations have shown no

significant surface corrosion, and ultrasonic measurements made in 1974, 1979, 1985 and 2000 showed no detectable thinning of the tank wall.

Tank 14

Tank 14 was placed in service in 1957. The first indication that Tank 14 had leaked was in 1959 when dry leaked waste was observed in the annulus pan. Currently, the annulus pan contains 12 to 13 inches of salt deposits. Eighty-nine
percent of the exterior of the primary vessel wall is observable via the 18 risers that provide access to the annulus. Inspections have documented 33 leaksites, and it is estimated that there are about 50 leaksites in this tank. All of the documented leaksites are near the bottom circumferential weld that is 2.5 feet above the tank bottom, except for one leaksite that was observed approximately 288 inches above the tank bottom. Visual examinations have shown no significant surface corrosion, and ultrasonic measurements made in 1979 and 1983 showed no detectable thinning of the tank wall.

Tank 15

Tank 15 was placed in service in 1960. Inspections in 1972 below one of the four risers providing access to the annulus documented two leaksites near the bottom circumferential weld about 2.5 feet above the tank bottom. Twelve additional risers were installed, increasing the observable portion of the primary vessel wall from 25% to 96%. Inspections in 1973, via the additional risers, revealed eleven other leaksites. Later inspections revealed five other sites where cracks penetrated the steel wall, one was observed in 1994, two were observed in 1997 and two were observed in 2000. Inspections in 2005 revealed an additional leaksite near the bottom circumferential weld. Ultrasonic measurements made in 1972, 1977, 1980, 1984, 2002 and 2007 showed no reportable thinning of the tank wall. UT Inspections in 2002 revealed a leaksite at 129 inches on the middle circumferential weld. A total of 20 leaksites have been documented. Visual examinations have shown mild corrosion of the steel surfaces in the tank annulus. Using new equipment capable of detecting cracks and pitting, four partial through-wall crack indications and one complete through-wall crack were documented during UT mapping in 2002 that were previously unknown. In 2007 UT examinations revealed no reportable thinning or pitting areas on the tank wall. Details of this inspection are documented in WSRC-TR-2007-00064. The ten cracks reported in 2002 were reexamined for crack growth. These examinations revealed that four cracks had grown. Evaluation of the cracks is documented in WSRC-TR-2002-00590, Rev. 1 (U).

Tank 16

Tank 16 was placed in service in 1959. Tank 16 was removed from active service in February 1979. Liquid waste was detected in the annulus pan in 1959. Seventy-three percent of the exterior wall of the primary vessel is observable via the sixteen risers that provide access to the annulus. Inspections in 1961 and 1962, through 13 risers, revealed about 175 leaksites in the tank wall. In October 1961 and March 1962, two 5 3/4-inch-diameter samples were cut from the top horizontal circumferential weld of the tank wall about 40 feet apart. Metallurgical examination indicated the cause of the cracks was nitrate-induced stress corrosion. Extensive inspection performed since 1972 indicated that the primary vessel wall has 300 to 350 leaksites. In 1978, 70% of the leaked waste in the annulus pan was removed, leaving an insoluble heel containing approximately 30,000 curies Cs-137. Waste

removal from the interior of the primary vessel was completed in 1980, and the tank status changed to "out of service". In 2007 a magnetic video wall crawler was used to document conditions and quantify the amount of waste remaining in the annulus. The inspection covered 100% of the annulus floor. Details of this inspection are documented in LWO-LWE-2007-00085. Visual examinations have shown no significant surface corrosion. No ultrasonic steel thickness measurements of the tank were made because of the number of leaksites and the presence of salt nodules on the primary vessel exterior. Annual photographic inspections were eliminated in 2007. No significant changes have been observed in the waste in the annulus and the primary tank is empty. Inspections will be performed on an "as needed" basis and periodically during annulus waste removal activities.

Tank 17

Tank 17 was placed in service in 1961. Visual examinations of the steel liner revealed no evidence of failure, significant surface corrosion or other anomalies. Tank 17 was removed from service and closed December 15, 1997. Inspections have been discontinued.

Tank 18

Tank 18 was placed in service in 1959. Visual examinations of the steel liner have shown no evidence of failure, significant surface corrosion or other anomalies. Ultrasonic measurements made in 1977, 1980, and 1983 showed no detectable thinning of the liner bottom. Activities to remove all waste from the tank began in 2001. Tank 18 currently has a total volume of 6700 gallons remaining and is awaiting final closure. The tank was removed from service in 2003.

Tank 19

Tank 19 was placed in service in 1961 and emptied in 1981. Visual examinations of the steel liner have revealed two failures; i.e. sites where inleakage had occurred. The failures are in the wall of the steel liner at heights of 317 inches and 330 inches. Inspection records photographically document that these leaksites existed before 1994. However, inspections made from the interior of this single-wall (visual inspection of the exterior is not possible) had to track changes in artifacts at the sites by periodic observation to judge that inleakage had occurred. Ultrasonic measurements made in 1982 and 1985 showed no detectable thinning of the liner bottom. Activities to remove all waste from the tank began in 2000. Tank 19 currently has a total volume of 16,800 gallons remaining and is awaiting final. The tank was removed from service in 2003.

Tank 20

Tank 20 was placed in service in 1960. Visual examinations of the steel liner revealed four failure sites. In 1983, leaksites were observed in the wall of the steel liner at heights of 22, 24.5, and 26.5 feet. In 1990, a leaksite was confirmed in the liner wall at a height of 26.25 feet. This site had been suspect since 1984. This is a single-wall tank with no annulus. The leaksites in the steel liner were detected by inspections made from the tank interior, since inspection of the exterior was not possible. Artifacts observed on the interior wall indicated water had leaked through the steel liner into the tank. Tank 20 was removed from service and closed July 31, 1997. Inspections have been discontinued.

Tank 21

Tank 21 was placed in service in 1961. Visual examinations of the steel liner have shown no evidence of failure, significant surface corrosion or other anomalies. Ultrasonic measurements made in 1973, 1977, 1980, and 1983 showed no detectable thinning of the liner bottom.

Tank 22

Tank 22 was placed in service in 1965. Visual examinations of the steel liner have shown no evidence of failure, significant surface corrosion or other anomalies. Water inleakage penetrating the concrete roof was investigated in 1994. This water intrusion was attributed to the presence of perched water on top of the dome (PEC-SMS-96-0084).
Inspections performed in 2004 showed that the water intrusion through the concrete dome at the NW riser had increased. An Inspection Plan (PDCS-SEG-2005-00032 [7]) was developed for excavation and inspection to assess the structural integrity of the concrete dome, ring girder and to determine the source of the inleakage.
In 2006, excavation of the tank overburden and subsequent visual and UT inspections showed the condition of the dome and ring girder to be structurally sound. The source of the inleakage was identified as a cracked 10" concrete encasement, containing the purge ventilation condensate drain line, allowing perched water to leak through the concrete dome. The area was repaired and a waterproofing material was added. Subsequent leak checks showed no inleakage of water. The rework of this area eliminated the source of in-leakage into the tank. Details of these findings can be found in "Tank -22H Structural Integrity Inspection Report at Northwest Riser" (WSRC-TR-2006-00355).

Ultrasonic measurements made in 1974, 1977, 1980, and 1983 showed no detectable thinning of the liner bottom.

Tank 23

Tank 23 was placed in service in 1964. Visual examinations of the steel liner have revealed corrosion but no evidence of failure. Ultrasonic measurements made in 1973, 1977, 1980, and 1983 showed no detectable thinning of the liner bottom. Examinations of the steel liner have shown rust and tubercles on the surface of the upper portion. This tank served as a receiver tank for inhibited contaminated water from Buildings 244-H, the Receiving Basin for Off-Site Fuels, and 245-H, the Resin Regeneration Facility. This mode of operation exposed only the lower half of the tank to the inhibited contents and exposed the upper half of the tank to a warm humid atmosphere. In 1984, rust and tubercles were cleaned from two small areas, exposing the steel surface. The cleaned liner surface was generally corroded with mild pitting. The pits were broad and shallow. In 1999, cracked or crushed concrete was noted in the tank dome, spanning about fifteen feet immediately above the tank wall. The structural integrity of the dome was evaluated as acceptable per (T-CLC-H-00444 and T-CLC-H-00447). The dome meets AC1318-95 code requirements and will continue to be monitored.

Tank 24

Tank 24 was placed in service in 1963. Visual examinations of the steel liner have shown no evidence of failure, significant surface corrosion or other anomalies. Ultrasonic measurements made in 1984 showed no detectable thinning of the liner.

Tank 25

Tank 25 was placed in service in 1980. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1979 and 1983 showed no detectable thinning of the tank wall. UT measurements made in 2004 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2004-00166.

Tank 26

Tank 26 was placed in service in 1980. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1979 and 1983 showed no detectable thinning of the primary tank wall. UT measurements made in 2003 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2004-00166.

Tank 27

Tank 27 was placed in service in 1980. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1979 and 1983 showed no detectable thinning of the tank wall. UT measurements made in 2005 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2006-00002.

Tank 28

Tank 28 was placed in service in 1980. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1979 and 1983 showed no detectable thinning of the tank wall. UT measurements made in 2005 showed no reportable thinning, pitting or stress corrosion cracking in the primary vessel wall. Several small areas of reportable thickness in secondary wall plates 1, 2 and 3 were identified. Local thinning was noted at 10% below nominal thickness in the first secondary wall plate. Details of this inspection are documented in WSRC-TR-2005-00039.

Tank 29

Tank 29 was placed in service in 1971. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1973 and 1974 showed no detectable thinning of the tank wall. UT measurements made in 2006 showed no reportable thinning, pitting, stress corrosion cracking, or evidence of service induced thinning on the primary tank wall. Reportable thickness was detected on one plate of the secondary wall. Reportable thickness was detected on the top plate of the primary tank wall but was attributed to fabrication artifacts. Incipient pitting was detected in the lower plate of the primary tank wall beneath riser P-02. Details of this inspection are documented in WSRC-TR-2006-00002.

Tank 30

Tank 30 was placed in service in 1974. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1975 showed no detectable thinning of the tank wall. UT measurements made in 2003 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2003-00370.

Tank 31

Tank 31 was placed in service in 1972. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 2003 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2003-00370.

Tank 32

Tank 32 was placed in service in 1971. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 2003 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2003-00370.

Tank 33

Tank 33 was placed in service in 1969. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 2005 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2006-00002.

Tank 34

Tank 34 was placed in service in 1972. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 2003 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2003-00370.

Tank 35

Tank 35 was placed in service in 1977. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1977, 1981, and 1985 showed no detectable thinning of the tank wall. UT measurements made in 2006 showed no reportable thinning, pitting, stress corrosion cracking, or evidence of service induced thinning on the primary tank wall. Reportable thicknesses were detected in the top plate of the primary vessel, but are attributed to fabrication artifacts. Reportable thicknesses were detected in one of four secondary wall plates as well as the annulus

floor. Details of this inspection are documented in WSRC-TR-2007-00064.

Tank 36

Tank 36 was placed in service in 1977. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1977, 1981, and 1985 showed no detectable thinning of the tank wall. UT measurements made in 2007 showed no reportable thinning, pitting, stress corrosion cracking, or evidence of service induced thinning on the primary or secondary tank wall. Reportable areas were observed in annulus floor. Details of this inspection are documented in WSRC-TR-2007-00064.

Tank 37

Tank 37 was placed in service in 1978. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1977, 1981, and 1985 showed no detectable thinning of the tank wall. UT measurements made in 2007 showed no reportable thinning, pitting, stress corrosion cracking, or evidence of service induced thinning on the primary or secondary tank wall. Reportable areas were observed in annulus floor. Details of this inspection are documented in WSRC-TR-2007-00064.

Tank 38

Tank 38 was placed in service in 1981. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1980, 1981, and 1984 showed no detectable thinning of the tank wall. UT measurements made in 2007 showed no reportable thinning, pitting, stress corrosion cracking, or evidence of service induced thinning on the primary tank wall. Reportable areas were observed in one plate of the secondary wall and the annulus floor. Details of this inspection are documented in WSRC-TR-2007-00064.

Tank 39

Tank 39 was placed in service in 1982. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1980, 1981, 1984, and 1985 showed no detectable thinning of the tank wall. UT measurements made in 2005 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Several grinding areas in the upper plate of the primary vessel wall had areas below the 10% reporting criteria. Several small areas of reportable thickness were detected in secondary wall plates 1, 2 and 4. Details of this inspection are documented in WSRC-TR-2006-00002.

Tank 40

Tank 40 was placed in service in 1986. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements were made in 1980, 1981, and 1984. Thickness mapping was performed in 1996 using the P-scan System to provide reference measurements for the future. UT measurements made in 2006 showed no reportable pitting, stress corrosion cracking, or evidence of service induced thinning on the primary tank wall. Reportable thicknesses were detected in the top plate of the primary tank wall but were attributed to fabrication artifacts. Reportable thicknesses

were detected in 2 of 4 secondary wall plates. Reportable thicknesses were detected on the annulus floor, but were attributed to pre-service pitting. Details of this inspection are documented in WSRC-TR-2006-00002.

Tank 41

Tank 41 was placed in service in 1982. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1980, 1981, and 1984 showed no detectable thinning of the tank wall. UT measurements made in 2006 showed no reportable pitting, stress corrosion cracking, or evidence of service induced thinning on the primary tank wall. Reportable thicknesses were detected in the top knuckle and plate of the primary tank and in one plate on the secondary wall. Reportable thicknesses were detected on the annulus floor but were attributed to pre-service pitting. Details of this inspection are documented in WSRC-TR-2006-00002.

Tank 42

Tank 42 was placed in service in 1982. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. Ultrasonic thickness measurements were made in 1980, 1981, 1984, 1985 and 1990. Thickness mapping was performed in 1995 and 1996 using the P-scan System to provide reference measurements for the future. UT measurements made in 2004 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. A few small areas of reportable thickness were detected on the secondary tank wall with the minimum thickness being 0.338 inches on plate one, 0.336 inches on plate two, and 0.332 inches on plate three. Details of this inspection are documented in WSRC-TR-2005-00039.

Tank 43

Tank 43 was placed in service in 1982. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1980, 1981, 1984, and 1985 showed no detectable thinning of the tank wall. UT measurements made in 2006 showed no reportable thinning, pitting, stress corrosion cracking, or evidence of service induced thinning on the primary tank wall. Reportable thicknesses were detected in the top and middle plates of the primary vessel, but are attributed to fabrication artifacts. Reportable thicknesses were detected in two of four secondary wall plates as well as the annulus floor. Grinding areas were observed in all plates. Details of this inspection are documented in WSRC-TR-2006-00002.

Tank 44

Tank 44 was placed in service in 1982. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1980, 1981, and 1984 showed no detectable thinning of the tank wall. UT measurements made in 2005 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Several small areas of reportable thickness in secondary wall plates 1, 2 and 4 were detected. Details of this inspection are documented in WSRC-TR-2005-00039.

Tank 45

Tank 45 was placed in service in 1982. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1980, 1981, and 1984 showed no detectable thinning of the tank wall. UT measurements made in 2005 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. One small area of reportable thickness was detected in the second wall plate on the secondary liner. Details of this inspection are documented in WSRC-TR-2005-00039.

Tank 46

Tank 46 was placed in service as an emergency spare tank in 1980. It was placed in waste storage service in 1994 when it began receiving concentrate from the 2F evaporator. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no significant surface corrosion or other anomalies. UT measurements made in 1980, 1981, and 1984 showed no detectable thinning of the tank wall. UT measurements made in 2005 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. One small area of reportable thickness was detected in the first wall plate on the secondary liner. Details of this inspection are documented in WSRC-TR-2005-00039.

Tank 47

Tank 47 was placed in service in 1980. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements made in 1980, 1981, and 1984 showed no detectable thinning of the tank wall. UT measurements made in 2005 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Two small areas of reportable thickness were detected in the fourth wall plate on the secondary liner. An incipient pit was noted in the lower plate of the primary vessel wall. Details of this inspection are documented in WSRC-TR-2005-00039.

Tank 48

Tank 48 was placed in service in 1983. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements were made in 1982 prior to placing the tank in service. Thickness mapping was performed in 1994, 1995, 1996, and 1997 using the P-scan System to provide reference measurements for the future. UT measurements made in 2004 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2004-00166.

Tank 49

Tank 49 was placed in service in 1983. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements were made in 1982 prior to placing the tank in service. Thickness mapping was performed in 1995 using the P-scan System to provide reference measurements for the future. UT measurements made in 2004 showed no

reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2005-00039. Two cooling coils were identified as failed in 2007 when inspections revealed the presence of chromate deposits on the primary vessel wall.

Tank 50

Tank 50 was placed in service in 1983. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements were made in 1982 prior to placing the tank in service. Thickness mapping was performed in 1994 and 1995 using the P-scan System to provide reference measurements for the future. UT measurements made in 2004 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. Details of this inspection are documented in WSRC-TR-2004-00166.

Tank 51

Tank 51 was placed in service in 1986. Visual examinations of 100% of the exterior of the primary vessel wall and the annulus have shown no leakage, significant surface corrosion or other anomalies. UT measurements were made in 1982 prior to placing the tank in service. Thickness mapping was performed in 1996 and 1997 using the P-scan System to provide reference measurements for the future. UT measurements made in 2004 showed no reportable thinning, pitting or stress corrosion cracking or evidence of service induced tank wall thinning on the primary tank wall. A few small areas of reportable thickness were detected on the secondary tank wall with the minimum thickness being 0.332 inches on plate one and 0.336 inches on plate two. Details of this inspection are documented in WSRC-TR-2005-00039. One cooling coil was identified as failed in 2007 when inspections revealed the presence of chromate deposits on the primary vessel wall.

Appendix A—Waste Tanks at SRS

SRS Waste Tank Specifications

Number	Type	Project Number	Construction Period	Type of* Construction
1-8	I	8980	1951-1953	Double wall-cooled
9-12	I	8980	1951-1953	Double wall-cooled
13-16	II	8980 P. W. O	1955-1956	Double wall-cooled
17-20	IV	981030	1956	Single wall-uncooled
21-24	IV	981089	1960	Single wall-uncooled
25-28	IIIA	9S1493 (75-1-a)	1975-1978	Double wall-cooled
29-32	III	981232	1966-1970	Double wall-cooled
33-34	III	9S0974	1969-1972	Double wall-cooled
35-37	IIIA	9S1463 (74-1-a)	1974-1977	Double wall-cooled
38-43	IIIA	9S1618 (76-8-A)	1976-1980	Double wall-cooled
44-47	IIIA	9S1747	1977-1980	Double wall-cooled
48-51	IIIA	9S1828 (78-18-b)	1978-1981	Double wall-cooled

* Tanks 32 and 35 have removable, roof-supported cooling coils. Tanks 30, 33, and 34 have bottom-supported deployable cooling coils. Tanks 29 and 31 have some deployable and some close-packed cooling assemblies, all bottom supported. All other cooled tanks have permanently installed cooling coils, roof-supported in Type I and II and bottom-supported in Type III tanks.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	01	East (A)	11/07/07	DP / P07242:01-24	Remote visual tank wall inspection revealed no changes since last evaluated on 9/29/06. The magnetically mounted tank wall thermocouple was improperly positioned. It was not contacting the tank wall.
F	01	East (A)	11/12/07	CCTV / 1499	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
F	01	North (A)	11/07/07	DP / P07243:01-26	Remote visual tank wall inspection revealed no changes since last evaluated on 9/29/06. The annulus jet was satisfactory per T-DS-G-00043.
F	01	South (A)	11/07/07	DP / P07244:01-26	Remote visual tank wall inspection revealed no changes since last evaluated on 9/29/06.
F	01	South (A)	11/07/07	DP / P07245:01-21	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 4/5/04.
F	01	West (A)	10/31/07	CCTV / 1576	A new conductivity probe was properly deployed per J-JX-G-0001.
F	01	West (A)	11/07/07	DP / P07241:01-27	Remote visual tank wall inspection revealed no changes since last evaluated on 9/29/06.
F	02	East (A)	10/28/07	DP / P07227:18	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
F	02	East (A)	10/28/07	DP / P07227:01-22	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/28/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	02	North (A)	01/31/07	WAP / P07017:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/28/06.
F	02	South (A)	10/28/07	DP / P07229:01-22	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 8/28/06.
F	02	South (A)	10/28/07	DP / P07228:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/28/06.
F	02	West (A)	01/31/07	WAP / P07017:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/28/06.
F	03	East (A)	10/29/07	DP / P07231:01-23	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/28/06.
F	03	North (A)	08/19/07	WAP / P07218:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/28/06.
F	03	South (A)	10/29/07	DP / P07232:01-21	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/28/06.
F	03	South (A)	10/29/07	DP / P07233:01-20	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 8/28/06.
F	03	West (A)	10/29/07	DP / P07230:01-23	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 9/8/06.
F	03	West (A)	10/29/07	DP / P07230:14	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	04	East (A)	10/30/07	DP / P07237:19	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
F	04	East (A)	10/30/07	DP / P07237:01-23	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 9/8/06.
F	04	North (A)	12/14/07	CCTV / 1648	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 6/29/06.
F	04	South (A)	10/30/07	DP / P07235:01-20	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 6/29/06. The annulus jet was satisfactory per T-DS-G-00043.
F	04	South (A)	10/30/07	DP / P07236:01-15	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 6/29/06.
F	04	West (A)	10/30/07	DP / P07234:01-28	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 9/8/06.
F	05	East (A)	08/24/07	DP / P07222:01-21	Remote visual tank wall inspection revealed no changes since last evaluated on 9/30/06.
F	05	North (A)	08/24/07	DP / P07220:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 9/30/06.
F	05	North (A)	08/24/07	DP / P07221:01-20	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 7/12/05.
F	05	South (A)	08/25/07	WAP / P07223:01	Remote visual tank wall inspection revealed no changes since last evaluated on 9/08/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	05	West (A)	08/24/07	DP / P07219:01-21	Remote visual tank wall inspection revealed no changes since last evaluated on 9/08/06.
F	05	West (A)	08/24/07	DP / P07219:18	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
F	06	East (A)	11/08/07	DP / P07248:01-27	Remote visual tank wall inspection revealed no changes since last evaluated on 9/30/06.
F	06	East (A)	11/08/07	DP / P07248:24	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
F	06	North (A)	11/08/07	DP / P07247:01-21	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 10/3/06.
F	06	North (A)	11/08/07	DP / P07246:01-16	Remote visual tank wall inspection revealed no changes since last evaluated on 9/30/06.
F	06	South (A)	11/08/07	DP / P07249:01-25	Remote visual tank wall inspection revealed no changes since last evaluated on 9/30/06.
F	06	West (A)	11/08/07	DP / P07250:01-25	Remote visual tank wall inspection revealed no changes since last evaluated on 9/30/06.
F	07	North (A)	10/30/07	DP / P07239:01-20	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 10/3/06.
F	07	North (A)	10/30/07	DP / P07240:01-19	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 10/3/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	07	South (A)	08/12/07	WAP / P07217:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 9/30/06.
F	07	South (A)	12/08/07	CCTV / 1621	The conductivity probe was properly positioned per J-JX-G-0001.
F	07	West (A)	10/30/07	DP / P07238:01-22	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 10/3/06.
F	07	West (A)	10/30/07	DP / P07238:12	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
F	08	East (A)	10/25/07	DP / P07251:01-21	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 9/4/06.
F	08	East (A)	10/25/07	DP / P07251:18	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
F	08	North (A)	08/25/07	DP / P07225:01-18	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 08/13/05.
F	08	North (A)	08/25/07	DP / P07224:01-22	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 9/4/06. The annulus jet was satisfactory per T-DS-G-00043.
F	08	North (A)	12/08/07	CCTV / 1621	The conductivity probe was properly positioned per J-JX-G-0001.
F	08	South (A)	08/12/07	WAP / P07216:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 9/4/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	08	South (A)	12/08/07	CCTV / 1621	The conductivity probe was properly positioned per J-JX-G-0001.
F	08	West (A)	08/12/07	WAP / P07216:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 9/8/06.
H	09	South (A)	11/13/07	DP / P07258:01-22	Remote visual tank wall inspection revealed no changes since last evaluated on 3/8/06. The leaked waste on the annulus floor had been reconfigured due to the the inleakage of water.
H	09	South (A)	11/13/07	DP / P07258:20	The conductivity probe was properly positioned per J-JX-G-0001.
H	09	South (A)	11/13/07	DP / P07259:01-21	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 9/6/05.
H	09	West (A)	11/13/07	DP / P07257:21	The conductivity probe was properly positioned per J-JX-G-0001.
H	09	West (A)	11/13/07	DP / P07257:23	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
H	09	West (A)	11/13/07	DP / P07257:01-26	Remote visual tank wall inspection revealed no changes since last evaluated on 3/8/06. The leaked waste on the annulus floor had been reconfigured due to the inleakage of water.
H	10	East (A)	11/14/07	DP / P07264:01-25	Remote visual tank wall inspection revealed no changes since last evaluated on 3/9/06.
H	10	East (A)	11/14/07	DP / P07264:22	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	10	North (A)	11/14/07	DP / P07265:01-21	Remote visual tank wall inspection revealed no changes since last evaluated on 3/9/06.
H	10	North (A)	11/14/07	DP / P07266:01-16	Remote visual inspection of the secondary vessel wall inspection revealed no areas of concern since last evaluated on 9/21/05.
H	10	West (A)	11/14/07	DP / P07267:01-21	Remote visual tank wall inspection revealed no changes since last evaluated on 3/9/06.
H	11	East (A)	11/13/07	DP / P07254:01-29	Remote visual tank wall inspection revealed no changes since last evaluated on 3/7/06.
H	11	North (A)	11/13/07	DP / P07253:01-22	Remote visual tank wall inspection revealed no changes since last evaluated on 3/7/06.
H	11	South (A)	11/13/07	DP / P07255:01-20	Remote visual tank wall inspection revealed no changes since last evaluated on 3/7/06.
H	11	South (A)	11/13/07	DP / P07256:01-21	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 11/7/05.
H	11	West (A)	11/13/07	DP / P07252:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 3/7/06.
H	11	West (A)	11/13/07	DP / P07252:22	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
H	12	East (A)	11/15/07	DP / P07262:01-26	Remote visual tank wall inspection revealed no changes since last evaluated on 1/3/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	12	East (A)	11/15/07	DP / P07262:22	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
H	12	North (A)	11/19/07	WAP / P07268:02	Remote visual tank wall inspection revealed no changes since last evaluated on 1/3/06. A small trail had increased below a previously identified leaksite indicating that a very small amount of material had seeped from the tank. The stains do not reach the annulus floor and no additional accumulations were observed on the tank wall or annulus floor.
H	12	South (A)	11/15/07	DP / P07261:01-21	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 5/10/05.
H	12	South (A)	11/15/07	DP / P07260:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 1/3/06.
H	12	West (A)	11/15/07	DP / P07263:01-25	Remote visual tank wall inspection revealed no changes since last evaluated on 01/03/06.
H	12	West (A)	11/19/07	WAP / P07268:01	Remote visual tank wall inspection revealed no changes since last evaluated on 11/15/07.
H	13	010 (A)	11/19/07	WAP / P07269:04	Remote visual tank wall inspection revealed no changes since last evaluated on 5/18/06.
H	13	032 (A)	11/19/07	WAP / P07269:03	Remote visual tank wall inspection revealed no changes since last evaluated on 5/18/06.
H	13	055 (A)	11/19/07	WAP / P07269:02	Remote visual tank wall inspection revealed no changes since last evaluated on 5/18/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	13	071 (A)	11/19/07	WAP / P07269:01	Remote visual tank wall inspection revealed no changes since last evaluated on 5/18/06.
H	13	107 (A)	11/20/07	WAP / P07269:09	Remote visual tank wall inspection revealed no changes since last evaluated on 5/18/06.
H	13	151 (A)	11/20/07	WAP / P07269:07	Remote visual tank wall inspection revealed no changes since last evaluated on 5/18/06.
H	13	175 (A)	11/28/07	DP / P07272:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 3/11/06.
H	13	207 (A)	11/28/07	DP / P07271:01-20	Remote visual tank wall inspection revealed no changes since last evaluated on 3/11/06.
H	13	207 (A)	11/28/07	DP / P07273:01-20	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 6/6/05.
H	13	228 (A)	11/20/07	WAP / P07269:06	Remote visual tank wall inspection revealed no changes since last evaluated on 5/18/06.
H	13	East (A)	12/08/07	DP / P07280:01-22	Remote visual tank wall inspection revealed no changes since last evaluated on 3/11/06.
H	13	North (A)	11/03/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	13	North (A)	11/03/07	CCTV / 1579	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	13	North (A)	11/20/07	WAP / P07269:08	Remote visual tank wall inspection revealed no changes since last evaluated on 5/18/06.
H	13	South (A)	11/20/07	WAP / P07269:05	Remote visual tank wall inspection revealed no changes since last evaluated on 3/13/06.
H	13	South (A)	11/30/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	13	West (A)	12/08/07	DP / P07281:01-21	Remote visual tank wall inspection revealed no changes since last evaluated on 3/11/06.
H	14	013 (A)	12/12/07	DP / P07292:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06. The annulus jet was satisfactory per T-DS-G-00043.
H	14	032 (A)	12/01/07	WAP / P07270:04	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06. Damp stains on top of the ventilation duct indicate that water inleakage has occurred around the riser plug.
H	14	065 (A)	12/01/07	WAP / P07270:03	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06.
H	14	108 (A)	12/01/07	WAP / P07270:02	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06.
H	14	118 (A)	12/11/07	DP / P07277:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06.
H	14	125 (A)	12/01/07	WAP / P07270:01	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	14	151 (A)	12/11/07	DP / P07274:01-20	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06.
H	14	151 (A)	12/11/07	DP / P07275:01-20	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 6/6/05.
H	14	169 (A)	12/11/07	DP / P07276:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06.
H	14	207 (A)	12/12/07	DP / P07289:01-27	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06.
H	14	235 (A)	12/12/07	DP / P07290:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06.
H	14	259 (A)	12/12/07	DP / P07291:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06.
H	14	East (A)	12/03/07	CCTV / 1499	The conductivity probe was properly positioned per J-JX-G-0001.
H	14	East (A)	12/11/07	DP / P07279:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 3/10/06.
H	14	North (A)	12/03/07	CCTV / 1499	The conductivity probe was properly positioned per J-JX-G-0001.
H	14	North (A)	12/11/07	DP / P07278:01-22	Remote visual tank wall inspection revealed no changes since last evaluated on 4/10/06.
H	14	North (A)	12/11/07	DP / P07278:18	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	15	010 (A)	12/09/07	DP / P07282:01-20	Remote visual tank wall inspection revealed no changes since last evaluated on 5/13/06. The annulus jet was satisfactory per T-DS-G-00043.
H	15	032 (A)	12/09/07	WAP / P07293:04	Remote visual tank wall inspection revealed no changes since last evaluated on 5/16/06.
H	15	055 (A)	06/12/07	UT / UT-07-004	UT scanning was performed on a vertical strip 8.5 inches wide for the entire accessible height of the primary vessel wall. Analysis of the data revealed no new cracking, or other thinning or pitting in the primary wall. A previously identified crack located 200 inches above the tank bottom had grown by 0.46 inches since last examined in 2002. This information is documented in WSRC-TR-2007-00064.
H	15	055 (A)	12/09/07	WAP / P07293:05	Remote visual tank wall inspection revealed no changes since last evaluated on 5/16/06.
H	15	071 (A)	12/09/07	WAP / P07293:06	Remote visual tank wall inspection revealed no changes since last evaluated on 5/16/06.
H	15	107 (A)	06/12/07	UT / UT-07-005	UT scanning was performed on a vertical strip 8.5 inches wide for the entire accessible height of the primary vessel wall. Analysis of the data revealed no new cracking, or other thinning or pitting in the primary wall. This information is documented in WSRC-TR-2007-00064.
H	15	107 (A)	12/09/07	DP / P07286:01-22	Remote visual tank wall inspection revealed no changes since last evaluated on 5/13/06. Stains originating at the top of the tank are due to the inleakage of water.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	15	137 (A)	12/09/07	DP / P07287:01-27	Remote visual tank wall inspection revealed no changes since last evaluated on 5/13/06. The annulus jet was satisfactory per T-DS-G-00043.
H	15	171 (A)	12/09/07	DP / P07285:01-23	Remote visual tank wall inspection revealed no changes since last evaluated on 5/13/06. Residual waste on annulus floor has been redistributed and salt deposits on the tank wall were removed due to the inleakage of water.
H	15	182 (A)	06/12/07	UT / UT-07-006	UT scanning was performed on a vertical strip 8.5 inches wide for the entire accessible height of the primary vessel wall. Analysis of the data revealed no new cracking, or other thinning or pitting in the primary wall. Previously identified cracks located 150 inches above the tank bottom had grown by 0.25 inches and a crack 128 inches above the tank bottom had grown by 1.8 inches since last examined in 2002. This information is documented in WSRC-TR-2007-00064.
H	15	182 (A)	12/09/07	DP / P07284:01-22	Remote visual tank wall inspection revealed no changes since last evaluated on 5/13/06. Residual waste on annulus floor has been redistributed due to the inleakage of water.
H	15	207 (A)	12/09/07	WAP / P07293:02	Remote visual tank wall inspection revealed no changes since last evaluated on 5/16/06.
H	15	223 (A)	12/09/07	WAP / P07293:03	Remote visual tank wall inspection revealed no changes since last evaluated on 5/16/06.
H	15	242 (A)	12/22/07	CCTV / 1729	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	15	East (A)	06/12/07	UT / UT-07-007	UT scanning was performed on a vertical strip 8.5 inches wide for the entire accessible height of the primary vessel wall. Analysis of the data revealed no new cracking, or other thinning or pitting in the primary wall. Previously identified cracks located 150 inches above the tank bottom had grown by 1.7 inches since last examined in 2002. This information is documented in WSRC-TR-2007-00064.
H	15	East (A)	12/09/07	WAP / P07293:01	Remote visual tank wall inspection revealed no changes since last evaluated on 5/13/06.
H	15	North (A)	12/09/07	WAP / P07293:08	Remote visual tank wall inspection revealed no changes since last evaluated on 5/16/06.
H	15	South (A)	12/12/07	DP / P07288:01-21	Remote visual tank wall inspection revealed no changes since last evaluated on 5/13/06. Residual waste on annulus floor has been redistributed due to the inleakage of water.
H	15	West (A)	12/09/07	WAP / P07293:07	Remote visual tank wall inspection revealed no changes since last evaluated on 5/16/06.
H	15/16	VB	12/27/07	CCTV / 1669	Inspection of the wall, floor, jumpers, valves and piping was satisfactory per SW11.6-SVP-45, section 4.7.
H	16	035 (A)	03/15/07	CCTV / 1589	A magnetic wheeled video wall crawler was used to document the conditions and quantify the amount of waste remaining in the annulus. The results are documented in LWO-LWE-2007-00085.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	16	118 (A)	03/27/07	CCTV / 1590	A magnetic wheeled video wall crawler was used to document the conditions and quantify the amount of waste remaining in the annulus. The results are documented in LWO-LWE-2007-00085.
H	16	207 (A)	03/05/07	CCTV / 1588	A magnetic wheeled video wall crawler was used to document the conditions and quantify the amount of waste remaining in the annulus. The results are documented in LWO-LWE-2007-00085.
H	16	262 (A)	03/29/07	CCTV / 1591	A magnetic wheeled video wall crawler was used to document the conditions and quantify the amount of waste remaining in the annulus. The results are documented in LWO-LWE-2007-00085.
F	18	Center (I)	12/01/07	CCTV / 1707	Remote visual inspection of the tank wall and concrete dome revealed no areas of concern since last evaluated on 4/29/06.
F	19	Center (I)	11/30/07	CCTV / 1705	Remote visual inspection of the tank wall and concrete dome revealed no changes since last evaluated on 11/14/06. Damp areas on the concrete dome and tank wall were caused by the inleakage of water around the risers.
H	21	VB	05/13/07	CCTV / 1427	Inspection of the walls, floor, jumpers, valves and piping was satisfactory per SW11.6-SVP-45, section 4.7. The conductivity probe was properly positioned.
H	21	NE (I)	02/12/07	CCTV / 1427	Remote visual inspection of the tank wall and concrete dome revealed no areas of concern since last evaluated on 12/24/06. Water continues to leak through the concrete dome. The HLLCP was properly positioned.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	22	VB	05/13/07	CCTV / 1434	Inspection of the walls, floor, jumpers, valves and piping was satisfactory per SW11.6-SVP-45, section 4.7. The conductivity probe was properly positioned.
H	22	NW (I)	02/26/07	CCTV / 1434	Remote visual inspection of the tank wall and concrete dome revealed no areas of concern since last evaluated on 11/5/06. Inleakage of rainwater around the center riser was observed. Water continues to leak through the concrete dome. The HLLCP was properly deployed.
H	23	SW (I)	02/26/07	CCTV / 1345	Remote visual inspection of the tank wall and concrete dome revealed no areas of concern since last evaluated on 12/10/06. Inleakage of rainwater around the center riser was observed. Water continues to leak through the concrete dome. The HLLCP was properly deployed.
H	24	SW (I)	02/25/07	CCTV / 1282	Remote visual inspection of the tank wall and concrete dome revealed no areas of concern since last evaluated on 11/19/06. The HLLCP was properly positioned.
F	25	A-01 (A)	02/19/07	WAP / P07032:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	25	A-02 (A)	02/19/07	WAP / P07032:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	25	A-03 (A)	02/19/07	WAP / P07032:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 6/18/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	25	A-04 (A)	02/19/07	WAP / P07032:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	25	A-04 (A)	11/10/07	CCTV / 1537	A new conductivity probe was properly deployed per J-JX-G-0001.
F	25	P-01 (A)	02/19/07	WAP / P07032:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	25	P-02 (A)	02/19/07	WAP / P07032:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	25	P-03 (A)	07/13/07	DP / P07149:01-28	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	25	P-04 (A)	07/13/07	DP / P07150:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	25	P-05 (A)	02/19/07	WAP / P07032:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	25	P-06 (A)	02/19/07	WAP / P07032:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	25	P-07 (A)	02/19/07	WAP / P07032:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	25	P-08 (A)	02/19/07	WAP / P07032:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	25	P-09 (A)	02/19/07	WAP / P07032:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 6/18/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	25	P-10 (A)	02/19/07	WAP / P07032:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 6/18/06. A massilin cloth was observed on the annulus floor.
F	25	P-11 (A)	07/13/07	DP / P07151:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/18/06.
F	25	P-12 (A)	07/13/07	DP / P07152:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	25	P-12 (A)	07/13/07	DP / P07153:01-28	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 5/12/06.
F	25	P-13 (A)	02/19/07	WAP / P07032:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	25	P-14 (A)	02/19/07	WAP / P07032:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	26	A-01 (A)	07/24/07	DP / P07162:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	26	A-02 (A)	07/24/07	DP / P07163:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	26	A-02 (A)	07/24/07	DP / P07163:22	The conductivity probe was properly positioned per J-JX-G-0001.
F	26	A-03 (A)	07/24/07	DP / P07164:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	26	A-03 (A)	07/24/07	DP / P07164:22	The conductivity probe was properly positioned per J-JX-G-0001.
F	26	A-04 (A)	07/24/07	DP / P07165:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	26	A-04 (A)	07/24/07	DP / P07165:22	The conductivity probe was properly positioned per J-JX-G-0001.
F	26	P-01 (A)	02/20/07	WAP / P07033:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	26	P-02 (A)	02/20/07	WAP / P07033:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	26	P-03 (A)	02/20/07	WAP / P07033:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	26	P-04 (A)	02/20/07	WAP / P07033:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	26	P-05 (A)	02/20/07	WAP / P07033:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	26	P-06 (A)	02/20/07	WAP / P07033:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	26	P-07 (A)	02/20/07	WAP / P07033:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	26	P-08 (A)	02/20/07	WAP / P07033:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	26	P-09 (A)	02/20/07	WAP / P07033:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	26	P-10 (A)	02/20/07	WAP / P07033:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	26	P-11 (A)	02/20/07	WAP / P07033:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	26	P-12 (A)	02/20/07	WAP / P07033:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	26	P-13 (A)	02/20/07	WAP / P07033:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	26	P-14 (A)	02/20/07	WAP / P07033:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	27	A-01 (A)	02/18/07	WAP / P07030:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	27	A-02 (A)	02/18/07	WAP / P07030:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 6/18/06.
F	27	A-03 (A)	02/18/07	WAP / P07030:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/18/06.
F	27	A-04 (A)	02/18/07	WAP / P07030:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/18/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	27	P-01 (A)	02/18/07	WAP / P07030:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	27	P-02 (A)	02/18/07	WAP / P07030:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	27	P-03 (A)	07/13/07	DP / P07154:01-31	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/18/06.
F	27	P-04 (A)	07/13/07	DP / P07155:01-29	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	27	P-05 (A)	02/18/07	WAP / P07030:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	27	P-06 (A)	02/18/07	WAP / P07030:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	27	P-07 (A)	02/18/07	WAP / P07030:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	27	P-08 (A)	02/18/07	WAP / P07030:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	27	P-09 (A)	02/18/07	WAP / P07030:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	27	P-10 (A)	10/22/07	DP / P07226:1-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	27	P-11 (A)	07/24/07	DP / P07157:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	27	P-12 (A)	02/18/07	WAP / P07030:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	27	P-13 (A)	02/18/07	WAP / P07030:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	27	P-14 (A)	02/18/07	WAP / P07030:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	28	A-01 (A)	07/24/07	DP / P07158:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	A-02 (A)	07/24/07	DP / P07159:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	A-02 (A)	07/24/07	DP / P07159:21	The conductivity probe was properly positioned per J-JX-G-0001.
F	28	A-03 (A)	07/24/07	DP / P07160:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	A-03 (A)	07/24/07	DP / P07160:22	The conductivity probe was properly positioned per J-JX-G-0001.
F	28	A-04 (A)	07/24/07	DP / P07161:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	A-04 (A)	07/24/07	DP / P07161:22	The conductivity probe was properly positioned per J-JX-G-0001.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	28	P-01 (A)	02/20/07	WAP / P07034:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	28	P-02 (A)	02/20/07	WAP / P07034:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	28	P-03 (A)	02/20/07	WAP / P07034:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	P-04 (A)	02/20/07	WAP / P07034:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	P-05 (A)	02/20/07	WAP / P07034:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	28	P-06 (A)	02/20/07	WAP / P07034:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	P-07 (A)	02/20/07	WAP / P07034:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	P-08 (A)	02/20/07	WAP / P07034:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	P-09 (A)	02/20/07	WAP / P07034:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	28	P-10 (A)	02/20/07	WAP / P07034:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	28	P-11 (A)	02/20/07	WAP / P07034:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	P-12 (A)	02/20/07	WAP / P07034:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	P-13 (A)	02/20/07	WAP / P07034:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
F	28	P-14 (A)	02/20/07	WAP / P07034:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/12/06.
H	29	COP #101	08/21/07	DSP / P07204:01-05	Inspection of the transfer lines within the clean out port were satisfactory per T-DS-G-00001.
H	29	COP #102	08/21/07	DSP / P07205:01-04	Inspection of the transfer lines within the clean out port were satisfactory per T-DS-G-00001.
H	29	A-01 (A)	04/22/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	29	A-01 (A)	07/24/07	DP / P07166:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06. The annulus jet was satisfactory per T-DS-G-00043.
H	29	A-02 (A)	04/22/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	29	A-02 (A)	07/24/07	DP / P07167:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	29	A-03 (A)	04/22/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	29	A-03 (A)	07/24/07	DP / P07168:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	29	A-04 (A)	07/24/07	DP / P07169:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	29	A-04 (A)	07/24/07	DP / P07169:18	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
H	29	P-01 (A)	01/16/07	WAP / P07002:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06. Stains and marks observed on the top of the ventilation duct were caused by the inleakage of water.
H	29	P-02 (A)	01/16/07	WAP / P07002:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	29	P-03 (A)	01/16/07	WAP / P07002:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	29	P-04 (A)	01/16/07	WAP / P07002:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	29	P-05 (A)	01/16/07	WAP / P07002:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	29	P-06 (A)	01/16/07	WAP / P07002:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	29	P-07 (A)	01/16/07	WAP / P07002:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06. Stains and marks observed on the top of the ventilation duct were caused by the inleakage of water.
H	29	P-07 (A)	11/29/07	CCTV / 1703	Inspection documented the condition of the exterior of the sump transfer line jacket from HDB-04 was satisfactory per T-DS-G-00001.
H	29	P-08 (A)	01/16/07	WAP / P07002:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	29	P-09 (A)	01/16/07	WAP / P07002:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	29	P-10 (A)	01/16/07	WAP / P07002:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	29	P-11 (A)	01/16/07	WAP / P07002:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	29	P-12 (A)	01/16/07	WAP / P07002:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	29	P-13 (A)	01/16/07	WAP / P07002:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06. Stains were observed on top of the refractory pad.
H	29	P-14 (A)	01/16/07	WAP / P07002:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06. Stains were observed on top of the refractory pad.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	29/30	COP #104	08/21/07	DSP / P07206:01-05	Inspection of the transfer lines within the cleanout port were satisfactory per T-DS-G-00001.
H	29/30	COP #105	08/21/07	DSP / P07207:01-04	Inspection of the transfer lines within the cleanout port were satisfactory per T-DS-G-00001.
H	29/32	COP #112	08/21/07	DSP / P07214:01-05	Inspection of the transfer lines within the cleanout port were satisfactory per T-DS-G-00001.
H	30	A-01 (A)	04/22/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	30	A-01 (A)	07/24/07	DP / P07170:01-26	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06. The annulus jet was satisfactory per T-DS-G-00043. Stains and marks observed on the primary vessel wall were caused by the inleakage of water.
H	30	A-02 (A)	04/22/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	30	A-02 (A)	07/24/07	DP / P07171:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06. An increase in stains and marks observed on the top of the ventilation duct were caused by the inleakage of water.
H	30	A-03 (A)	04/22/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	30	A-03 (A)	07/24/07	DP / P07172:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06. Stains and marks observed on the annulus floor were caused by the inleakage of water.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	30	A-03 (A)	07/24/07	DP / P07172:27	The conductivity probe was properly positioned per J-JX-G-0001.
H	30	A-04 (A)	04/22/07	CCTV / 1579	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
H	30	A-04 (A)	07/24/07	DP / P07173:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	30	P-01 (A)	01/17/07	WAP / P07003:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	30	P-02 (A)	01/17/07	WAP / P07003:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	30	P-03 (A)	01/17/07	WAP / P07003:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	30	P-04 (A)	01/17/07	WAP / P07003:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	30	P-05 (A)	01/17/07	WAP / P07003:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	30	P-06 (A)	01/17/07	WAP / P07003:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	30	P-07 (A)	01/17/07	WAP / P07003:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06. Stains on the secondary vessel wall were caused by the inleakage of water.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	30	P-08 (A)	01/17/07	WAP / P07003:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06. Stains on the secondary vessel wall were caused by the inleakage of water.
H	30	P-09 (A)	01/17/07	WAP / P07003:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	30	P-10 (A)	01/17/07	WAP / P07003:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	30	P-11 (A)	01/17/07	WAP / P07003:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	30	P-12 (A)	01/17/07	WAP / P07003:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	30	P-13 (A)	01/17/07	WAP / P07003:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	30	P-14 (A)	01/17/07	WAP / P07003:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/7/06.
H	31	A-01 (A)	04/22/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	31	A-01 (A)	07/25/07	DP / P07202:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06. The annulus jet was satisfactory per T-DS-G-00043.
H	31	A-02 (A)	07/24/07	DP / P07174:22	The conductivity probe was properly positioned per J-JX-G-0001.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	31	A-02 (A)	07/24/07	DP / P07174:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	31	A-03 (A)	07/24/07	DP / P07175:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	31	A-03 (A)	07/24/07	DP / P07175:27	The conductivity probe was properly positioned per J-JX-G-0001.
H	31	A-04 (A)	04/22/07	CCTV / 1579	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
H	31	A-04 (A)	07/24/07	DP / P07176:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06. A massilin cloth was observed on the annulus floor.
H	31	P-01 (A)	01/17/07	WAP / P07004:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	31	P-02 (A)	01/17/07	WAP / P07004:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	31	P-03 (A)	01/17/07	WAP / P07004:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	31	P-04 (A)	01/17/07	WAP / P07004:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	31	P-05 (A)	01/17/07	WAP / P07004:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	31	P-06 (A)	01/19/07	WAP / P07006:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	31	P-07 (A)	01/17/07	WAP / P07004:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	31	P-08 (A)	01/17/07	WAP / P07004:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/3/06.
H	31	P-09 (A)	01/17/07	WAP / P07004:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	31	P-10 (A)	01/17/07	WAP / P07004:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	31	P-11 (A)	01/19/07	WAP / P07006:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/3/06.
H	31	P-12 (A)	01/19/07	WAP / P07006:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/3/06.
H	31	P-13 (A)	01/19/07	WAP / P07006:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	31	P-14 (A)	01/19/07	WAP / P07006:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/3/06.
H	32	COP #109	08/21/07	DSP / P07211:01-06	Inspection of the transfer lines within the cleanout port were satisfactory per T-DS-G-00001.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	32	COP #110	08/21/07	DSP / P07212:01-05	Inspection of the transfer lines within the cleanout port were satisfactory per T-DS-G-00001.
H	32	COP #111	08/21/07	DSP / P07213:01-05	Inspection of the transfer lines within the cleanout port were satisfactory per T-DS-G-00001.
H	32	A-01 (A)	04/22/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	32	A-01 (A)	07/24/07	DP / P07177:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/8/06. The annulus jet was satisfactory per T-DS-G-00043.
H	32	A-02 (A)	04/22/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	32	A-02 (A)	07/25/07	DP / P07199:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	32	A-03 (A)	04/22/07	CCTV / 1579	The conductivity probe was properly positioned per J-JX-G-0001.
H	32	A-03 (A)	07/25/07	DP / P07200:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	32	A-04 (A)	04/22/07	CCTV / 1579	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
H	32	A-04 (A)	07/25/07	DP / P07201:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	32	A-04 (A)	07/25/07	DP / P07201:18	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	32	P-01 (A)	01/23/07	WAP / P07009:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	32	P-02 (A)	01/23/07	WAP / P07009:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06.
H	32	P-03 (A)	01/23/07	WAP / P07009:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	32	P-04 (A)	01/23/07	WAP / P07009:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	32	P-05 (A)	01/23/07	WAP / P07009:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06.
H	32	P-06 (A)	01/23/07	WAP / P07009:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	32	P-07 (A)	01/23/07	WAP / P07009:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	32	P-08 (A)	01/23/07	WAP / P07009:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	32	P-09 (A)	01/23/07	WAP / P07009:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.
H	32	P-10 (A)	01/23/07	WAP / P07009:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/11/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	32	P-11 (A)	01/23/07	WAP / P07009:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06.
H	32	P-12 (A)	01/23/07	WAP / P07009:15	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	32	P-13 (A)	01/23/07	WAP / P07009:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/12/06.
H	32	P-14 (A)	01/23/07	WAP / P07009:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
H	32	P-15 (A)	01/23/07	WAP / P07009:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/13/06.
F	33	A-01 (A)	06/16/07	DP / P07083:22	The conductivity probe was properly positioned per J-JX-G-0001.
F	33	A-01 (A)	06/16/07	DP / P07083:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	A-01 (A)	08/01/07	DP / P07088:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 6/16/07.
F	33	A-02 (A)	06/16/07	DP / P07084:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	A-02 (A)	08/08/07	CCTV / 1520	The conductivity probe was properly positioned per J-JX-G-0001.
F	33	A-03 (A)	08/09/07	CCTV / 1520	The conductivity probe was properly positioned per J-JX-G-0001.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	33	A-03 (A)	08/11/07	DP / P07215:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	A-04 (A)	06/16/07	DP / P07086:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	A-04 (A)	06/16/07	DP / P07086:18	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
F	33	P-01 (A)	01/10/07	WAP / P07001:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	P-02 (A)	01/10/07	WAP / P07001:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	P-03 (A)	01/10/07	WAP / P07001:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
F	33	P-04 (A)	01/10/07	WAP / P07001:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	P-05 (A)	01/10/07	WAP / P07001:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	P-06 (A)	01/10/07	WAP / P07001:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
F	33	P-07 (A)	01/10/07	WAP / P07001:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	33	P-08 (A)	01/10/07	WAP / P07001:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	P-09 (A)	01/10/07	WAP / P07001:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
F	33	P-10 (A)	01/10/07	WAP / P07001:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
F	33	P-11 (A)	01/10/07	WAP / P07001:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	P-12 (A)	01/10/07	WAP / P07001:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	P-13 (A)	01/10/07	WAP / P07001:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
F	33	P-14 (A)	01/10/07	WAP / P07001:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	P-15 (A)	01/10/07	WAP / P07001:15	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	33	P-16 (A)	01/10/07	WAP / P07001:16	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/14/06.
F	34	A-01 (A)	08/01/07	DP / P07189:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	A-01 (A)	08/07/07	CCTV / 1520	The conductivity probe was properly positioned per J-JX-G-0001.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	34	A-02 (A)	08/01/07	DP / P07190:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	A-02 (A)	08/01/07	DP / P07190:21	The conductivity probe was properly positioned per J-JX-G-0001.
F	34	A-03 (A)	08/01/07	DP / P07191:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	A-03 (A)	08/01/07	DP / P07191:21	The conductivity probe was properly positioned per J-JX-G-0001.
F	34	A-04 (A)	08/01/07	DP / P07192:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	34	A-04 (A)	08/01/07	DP / P07192:18	The magnetically mounted tank wall thermocouple was properly positioned per T-DS-G-00010.
F	34	P-01 (A)	05/07/07	WAP / P07057:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	P-02 (A)	05/07/07	WAP / P07057:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	P-03 (A)	05/07/07	WAP / P07057:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	34	P-04 (A)	05/07/07	WAP / P07057:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	34	P-05 (A)	05/07/07	WAP / P07057:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	P-06 (A)	05/07/07	WAP / P07057:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
F	34	P-07 (A)	05/07/07	WAP / P07057:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	P-08 (A)	05/07/07	WAP / P07057:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	P-09 (A)	05/07/07	WAP / P07057:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
F	34	P-10 (A)	05/07/07	WAP / P07057:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
F	34	P-11 (A)	05/07/07	WAP / P07057:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	P-12 (A)	05/07/07	WAP / P07057:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	P-13 (A)	05/07/07	WAP / P07057:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
F	34	P-14 (A)	05/07/07	WAP / P07057:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	34	P-15 (A)	05/07/07	WAP / P07057:15	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
F	34	P-16 (A)	05/10/07	WAP / P07057:16	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/20/06.
H	35	A-01 (A)	01/19/07	WAP / P07007:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
H	35	A-01 (A)	11/29/07	CCTV / 1704	Inspection documented the condition of the exterior of the sump transfer line jacket from HDB-06 was satisfactory per T-DS-G-00001.
H	35	A-02 (A)	01/19/07	WAP / P07007:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
H	35	A-03 (A)	01/19/07	WAP / P07007:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
H	35	A-04 (A)	01/19/07	WAP / P07007:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
H	35	A-04 (A)	04/22/07	CCTV / 1499	The conductivity probe was properly positioned per J-JX-G-0001.
H	35	P-01 (A)	04/10/07	DP / P07041:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06. An increase in the amount of mild surface corrosion was observed on the tank wall. Condensation had formed in the annulus due to a steam leak in the preheater in 2003. An increase in stains and marks observed on the secondary vessel wall were caused by the inleakage of water.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	35	P-01 (A)	07/31/07	DP / P07194:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/10/07. An increase in the amount of mild surface corrosion was observed on the tank wall. Condensation had formed in the annulus due to a steam leak in the preheater in 2003. Stains and marks observed on the secondary vessel wall were caused by the inleakage of water.
H	35	P-02 (A)	04/10/07	DP / P07042:1-28	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06. An increase in the amount of mild surface corrosion was observed on the tank wall. Condensation had formed in the annulus due to a steam leak in the preheater in 2003. An increase in stains and marks observed on the secondary vessel wall were caused by the inleakage of water
H	35	P-02 (A)	07/31/07	DP / P07195:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/10/07. An increase in the amount of mild surface corrosion was observed on the tank wall. Condensation had formed in the annulus due to a steam leak in the preheater in 2003. Stains and marks observed on the secondary vessel wall were caused by the inleakage of water.
H	35	P-03 (A)	04/10/07	DP / P07043:1-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06. An increase in the amount of mild surface corrosion was observed on the tank wall. Condensation had formed in the annulus due to a steam leak in the preheater in 2003.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	35	P-03 (A)	07/31/07	DP / P07196:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/10/07. An increase in the amount of mild surface corrosion was observed on the tank wall. Condensation had formed in the annulus due to a steam leak in the preheater in 2003.
H	35	P-04 (A)	04/10/07	DP / P07126:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06. An increase in the amount of mild surface corrosion was observed on the tank wall. Condensation had formed in the annulus due to a steam leak in the preheater in 2003.
H	35	P-04 (A)	04/10/07	DP / P07127:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 3/13/04.
H	35	P-04 (A)	07/31/07	DP / P07197:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/10/07. An increase in the amount of mild surface corrosion was observed on the tank wall. Condensation had formed in the annulus due to a steam leak in the preheater in 2003.
H	35	P-04 (A)	07/31/07	DP / P07198:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 4/10/07.
H	35	P-05 (A)	01/19/07	WAP / P07007:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06. Stains and marks observed on the secondary wall are due to the inleakage of water.
H	35	P-06 (A)	01/19/07	WAP / P07007:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	35	P-07 (A)	01/19/07	WAP / P07007:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	35	P-08 (A)	01/19/07	WAP / P07007:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	35	P-09 (A)	01/19/07	WAP / P07007:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	35	P-10 (A)	01/19/07	WAP / P07007:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	35	P-11 (A)	01/19/07	WAP / P07007:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06. Stains and marks observed on the annulus floor are due to the inleakage of water around the riser plug.
H	35	P-12 (A)	01/19/07	WAP / P07007:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	35	P-13 (A)	01/19/07	WAP / P07007:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	35	P-14 (A)	01/19/07	WAP / P07007:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	36	A-01 (A)	01/23/07	WAP / P07008:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
H	36	A-02 (A)	01/23/07	WAP / P07008:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	36	A-03 (A)	01/23/07	WAP / P07008:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/21/06.
H	36	A-04 (A)	01/23/07	WAP / P07008:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06.
H	36	P-01 (A)	07/28/07	DP / P07182:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-02 (A)	07/28/07	DP / P07183:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-02 (A)	08/02/07	UT / UT-07-001	UT scanning was performed on a vertical strip 8.5 inches wide for the entire accessible height of the primary vessel wall. Reportable thicknesses were detected in the annulus floor. Analysis of the data revealed no reportable cracking, or other thinning or pitting in the primary wall. This information is included in document WSRC-TR-2007-00064.
H	36	P-03 (A)	07/28/07	DP / P07203:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-04 (A)	07/30/07	DP / P07185:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 5/13/06.
H	36	P-04 (A)	07/30/07	DP / P07184:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-05 (A)	01/23/07	WAP / P07008:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	36	P-06 (A)	01/23/07	WAP / P07008:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-07 (A)	01/23/07	WAP / P07008:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-08 (A)	01/23/07	WAP / P07008:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-09 (A)	01/23/07	WAP / P07008:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-10 (A)	01/23/07	WAP / P07008:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-11 (A)	01/23/07	WAP / P07008:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-12 (A)	01/23/07	WAP / P07008:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-13 (A)	01/23/07	WAP / P07008:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	36	P-14 (A)	01/23/07	WAP / P07008:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/06.
H	37	COP #106	08/21/07	DSP / P07208:01-05	Inspection of the transfer lines within the cleanout port were satisfactory per T-DS-G-00001.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	37	COP #107	08/21/07	DSP / P07209:01-07	Inspection of the transfer lines within the cleanout port were satisfactory per T-DS-G-00001.
H	37	COP #108	08/21/07	DSP / P07210:01-06	Inspection of the transfer lines within the cleanout port were satisfactory per T-DS-G-00001.
H	37	A-01 (A)	01/23/07	WAP / P07010:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06.
H	37	A-02 (A)	01/23/07	WAP / P07010:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06.
H	37	A-03 (A)	01/23/07	WAP / P07010:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06.
H	37	A-04 (A)	01/23/07	WAP / P07010:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06.
H	37	P-01 (A)	07/30/07	DP / P07186:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-02 (A)	07/30/07	DP / P07187:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-03 (A)	07/31/07	DP / P07180:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-03 (A)	07/31/07	DP / P07179:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	37	P-04 (A)	07/31/07	DP / P07181:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-05 (A)	01/23/07	WAP / P07010:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06. Stains on the secondary vessel wall were caused by the inleakage of water.
H	37	P-06 (A)	01/23/07	WAP / P07010:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-07 (A)	01/23/07	WAP / P07010:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-08 (A)	01/23/07	WAP / P07010:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-09 (A)	01/23/07	WAP / P07010:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-09 (A)	08/15/07	UT / UT-07-002	UT scanning was performed on a vertical strip 8.5 inches wide for the entire accessible height of the primary vessel wall. Reportable thicknesses were detected in the annulus floor. Analysis of the data revealed no reportable cracking, or other thinning or pitting in the primary wall. This information is included in document WSRC-TR-2007-00064.
H	37	P-10 (A)	01/23/07	WAP / P07010:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-11 (A)	01/23/07	WAP / P07010:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	37	P-12 (A)	01/23/07	WAP / P07010:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-13 (A)	01/23/07	WAP / P07010:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06.
H	37	P-14 (A)	01/23/07	WAP / P07010:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/12/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
H	37	B-05 (I)	08/27/07	CCTV / 1562	Inspection verified the TTJ was satisfactory per T-DS-G-00015.
H	38	A-01 (A)	01/25/07	WAP / P07011:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/25/06. Stains on the secondary vessel wall were caused by the inleakage of water.
H	38	A-01 (A)	12/06/07	CCTV / 1683	Inspection documented the condition of the exterior of the sump transfer line jacket from HDB-07 was satisfactory per T-DS-G-00001.
H	38	A-02 (A)	01/26/07	WAP / P07011:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06. Stains on the secondary vessel wall were caused by the inleakage of water.
H	38	A-03 (A)	01/26/07	WAP / P07011:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06. Stains on the secondary vessel wall were caused by the inleakage of water.
H	38	A-04 (A)	01/25/07	WAP / P07011:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06. Stains on the secondary vessel wall were caused by the inleakage of water.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	38	P-01 (A)	01/25/07	WAP / P07011:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-01 (A)	03/31/07	DP / P07070:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/07.
H	38	P-01 (A)	03/31/07	DP / P07071:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 1/01/04.
H	38	P-02 (A)	01/25/07	WAP / P07011:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-02 (A)	03/31/07	DP / P07072:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/07.
H	38	P-03 (A)	01/25/07	WAP / P07011:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-03 (A)	03/31/07	DP / P07073:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/25/07.
H	38	P-04 (A)	03/31/07	DP / P07074:01-26	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-05 (A)	01/26/07	WAP / P07011:15	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-06 (A)	01/26/07	WAP / P07011:16	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	38	P-07 (A)	01/26/07	WAP / P07011:17	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-08 (A)	01/25/07	WAP / P07011:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-09 (A)	01/24/07	UT / UT-07-003	UT scanning was performed on a vertical strip 8.5 inches wide for the entire accessible height of the primary vessel wall. Reportable thicknesses were detected in the lower plate of the secondary wall (plate 4) and annulus floor. Analysis of the data revealed no reportable cracking, or other thinning or pitting in the primary wall. This information is included in document WSRC-TR-2007-00064.
H	38	P-09 (A)	01/25/07	WAP / P07011:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-10 (A)	01/25/07	WAP / P07011:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-11 (A)	01/25/07	WAP / P07011:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-12 (A)	01/25/07	WAP / P07011:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-13 (A)	01/25/07	WAP / P07011:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	38	P-14 (A)	01/25/07	WAP / P07011:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	38	H (I)	08/16/07	CCTV / 1634	Inspection verified the transfer jet was satisfactory per T-DS-G-00015.
H	39	A-01 (A)	01/26/07	WAP / P07013:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06.
H	39	A-02 (A)	01/26/07	WAP / P07013:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06.
H	39	A-03 (A)	01/26/07	WAP / P07013:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06.
H	39	A-04 (A)	01/26/07	WAP / P07013:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/4/06.
H	39	P-01 (A)	01/26/07	WAP / P07013:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
H	39	P-02 (A)	07/05/07	DP / P07138:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-03 (A)	01/26/07	WAP / P07013:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-04 (A)	07/05/07	DP / P07139:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-05 (A)	01/26/07	WAP / P07013:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	39	P-06 (A)	07/05/07	DP / P07140:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-07 (A)	01/26/07	WAP / P07013:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-08 (A)	01/26/07	WAP / P07013:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-09 (A)	07/05/07	DP / P07141:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-10 (A)	07/05/07	DP / P07142:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-11 (A)	01/26/07	WAP / P07013:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-12 (A)	01/26/07	WAP / P07013:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-13 (A)	01/26/07	WAP / P07013:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	P-14 (A)	01/26/07	WAP / P07013:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/23/06.
H	39	H (I)	08/21/07	CCTV / 1639	Inspection verified the TTJ was satisfactory per T-DS-G-00015.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	40	VB	04/17/07	CCTV / 1461	Inspection of the walls, jumpers, valves and piping visible from the northeast end of the valve box revealed no degradation as defined in SW11.6-SVP-45, section 4.7.
H	40	VB	04/24/07	CCTV / 1461	Inspection of the walls, floor, jumpers, valves and piping visible from the east end of the valve box revealed no degradation as defined in SW11.6-SVP-45, section 4.7.
H	40	VB	05/04/07	CCTV / 1461	Inspection of the walls, floor, jumpers, valves and piping visible via the WTS-V-26 valve port revealed no degradation as defined in SW11.6-SVP-45, section 4.7.
H	40	A-01 (A)	01/27/07	WAP / P07018:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	A-02 (A)	01/27/07	WAP / P07018:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	A-03 (A)	01/27/07	WAP / P07018:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	A-04 (A)	01/27/07	WAP / P07018:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	P-01 (A)	01/27/07	WAP / P07018:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06. The annulus jet installed in the F Riser was satisfactory per T-DS-G-00043.
H	40	P-03 (A)	01/27/07	WAP / P07018:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	40	P-04 (A)	01/27/07	WAP / P07018:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	P-04 (A)	07/01/07	DP / P07136:01-29	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/27/07.
H	40	P-05 (A)	01/27/07	WAP / P07018:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/15/06.
H	40	P-06 (A)	01/27/07	WAP / P07018:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	P-06 (A)	07/01/07	DP / P07135:01-26	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	P-07 (A)	01/27/07	WAP / P07018:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	P-08 (A)	01/27/07	WAP / P07018:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/15/06.
H	40	P-09 (A)	01/27/07	WAP / P07018:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	P-10 (A)	07/01/07	DP / P07133:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	P-11 (A)	01/27/07	WAP / P07018:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/15/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	40	P-12 (A)	01/27/07	WAP / P07018:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	P-12 (A)	07/01/07	DP / P07134:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/27/07.
H	40	P-13 (A)	01/27/07	WAP / P07018:15	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	40	P-14 (A)	01/27/07	WAP / P07018:16	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/15/06.
H	41	A-01 (A)	01/27/07	WAP / P07019:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
H	41	A-02 (A)	01/27/07	WAP / P07019:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/25/06.
H	41	A-03 (A)	01/29/07	WAP / P07019:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/25/06.
H	41	A-04 (A)	01/27/07	WAP / P07019:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/25/06.
H	41	P-01 (A)	03/21/07	DP / P07035:01-30	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 1/19/04.
H	41	P-01 (A)	03/21/07	DP / P07036:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	41	P-02 (A)	03/21/07	DP / P07037:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-03 (A)	03/21/07	DP / P07038:01-28	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-04 (A)	03/21/07	DP / P07039:01-26	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-05 (A)	01/27/07	WAP / P07019:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-06 (A)	01/27/07	WAP / P07019:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-07 (A)	01/29/07	WAP / P07019:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-08 (A)	01/27/07	WAP / P07019:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-09 (A)	01/27/07	WAP / P07019:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-10 (A)	01/27/07	WAP / P07019:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-11 (A)	01/27/07	WAP / P07019:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	41	P-12 (A)	01/27/07	WAP / P07019:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-13 (A)	01/27/07	WAP / P07019:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	41	P-14 (A)	01/27/07	WAP / P07019:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06. A protrusion observed on the tank wall will be further investigated. Additional inspections performed on 3/12/07 identified the object observed on the tank wall as a weld attachment.
H	41	P-14 (A)	03/12/07	CCTV / NA	A follow-up inspection of an artifact observed on 1/27/07 during review of annual inspection showed no areas of concern.
H	42	VB	12/05/07	CCTV / 1378	Inspection of the walls, floor, jumpers, valves and piping visible from the south inspection port was satisfactory per SW11.6-SVP-45, section 4.7.
H	42	A-01 (A)	01/29/07	WAP / P07014:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	A-02 (A)	01/29/07	WAP / P07014:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	A-03 (A)	01/29/07	WAP / P07014:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	A-04 (A)	01/29/07	WAP / P07014:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	42	P-01 (A)	06/19/07	DP / P07120:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
H	42	P-02 (A)	06/19/07	DP / P07121:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	P-03 (A)	01/29/07	WAP / P07014:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/15/06.
H	42	P-04 (A)	01/29/07	WAP / P07014:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	P-05 (A)	01/29/07	WAP / P07014:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/15/06.
H	42	P-06 (A)	01/29/07	WAP / P07014:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	P-07 (A)	01/29/07	WAP / P07014:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	P-08 (A)	01/29/07	WAP / P07014:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	P-09 (A)	06/19/07	DP / P07123:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 1/24/06.
H	42	P-09 (A)	06/19/07	DP / P07122:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	42	P-10 (A)	06/19/07	DP / P07124:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	P-11 (A)	01/29/07	WAP / P07014:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/15/06.
H	42	P-12 (A)	01/29/07	WAP / P07014:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	P-13 (A)	01/29/07	WAP / P07014:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	42	P-14 (A)	01/29/07	WAP / P07014:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 9/20/06.
H	43	A-01 (A)	01/28/07	WAP / P07020:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/25/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
H	43	A-02 (A)	01/28/07	WAP / P07020:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/25/06.
H	43	A-03 (A)	01/28/07	WAP / P07020:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/25/06. Calcite deposits observed on the annulus floor had become dislodged from the secondary wall.
H	43	A-04 (A)	01/29/07	WAP / P07020:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/25/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	43	P-01 (A)	04/09/07	DP / P07051:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
H	43	P-01 (A)	04/09/07	DP / P07052:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 1/17/04.
H	43	P-02 (A)	04/09/07	DP / P07053:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-03 (A)	04/09/07	DP / P07054:01-28	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-04 (A)	07/05/07	DP / P07143:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-04 (A)	07/05/07	DP / P07144:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-05 (A)	01/28/07	WAP / P07020:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-06 (A)	01/28/07	WAP / P07020:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-07 (A)	01/29/07	WAP / P07020:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-08 (A)	01/28/07	WAP / P07020:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	43	P-09 (A)	01/28/07	WAP / P07020:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-10 (A)	01/28/07	WAP / P07020:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-11 (A)	01/28/07	WAP / P07020:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-12 (A)	01/28/07	WAP / P07020:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-13 (A)	01/28/07	WAP / P07020:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
H	43	P-14 (A)	01/28/07	WAP / P07020:14	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 1/24/06.
F	44	A-01 (A)	02/20/07	WAP / P07031:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	44	A-02 (A)	02/20/07	WAP / P07031:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	44	A-03 (A)	02/20/07	WAP / P07031:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/15/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	44	A-04 (A)	02/20/07	WAP / P07031:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	44	A-04 (A)	06/24/07	CCTV / 1520	The conductivity probe was properly positioned per J-JX-G-0001.
F	44	P-01 (A)	02/20/07	WAP / P07031:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.
F	44	P-02 (A)	02/20/07	WAP / P07031:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.
F	44	P-03 (A)	06/16/07	DP / P07099:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	44	P-04 (A)	06/16/07	DP / P07100:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	44	P-05 (A)	06/16/07	DP / P07101:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06. Stains on the annulus floor were caused by inleakage of water.
F	44	P-06 (A)	06/16/07	DP / P07102:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	44	P-06 (A)	06/16/07	DP / P07103:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 3/19/06.
F	44	P-07 (A)	06/16/07	DP / P07104:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06. Stains on the annulus floor were caused by inleakage of water.
F	44	P-08 (A)	02/20/07	WAP / P07031:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	44	P-09 (A)	02/20/07	WAP / P07031:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.
F	44	P-10 (A)	02/20/07	WAP / P07031:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/15/06.
F	44	P-11 (A)	02/20/07	WAP / P07031:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	44	P-12 (A)	02/20/07	WAP / P07031:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	44	P-13 (A)	02/20/07	WAP / P07031:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	44	P-14 (A)	02/20/07	WAP / P07031:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	A-01 (A)	02/18/07	WAP / P07029:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	A-02 (A)	02/18/07	WAP / P07029:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	A-03 (A)	02/18/07	WAP / P07029:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	45	A-04 (A)	02/18/07	WAP / P07029:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	45	P-01 (A)	02/18/07	WAP / P07029:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/16/06.
F	45	P-02 (A)	02/18/07	WAP / P07029:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.
F	45	P-03 (A)	06/16/07	DP / P07093:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	P-04 (A)	06/16/07	DP / P07094:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	P-05 (A)	07/13/07	DP / P07156:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	P-06 (A)	06/16/07	DP / P07096:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	P-06 (A)	06/16/07	DP / P07097:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 3/19/06.
F	45	P-07 (A)	06/16/07	DP / P07098:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	P-08 (A)	02/18/07	WAP / P07029:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.
F	45	P-09 (A)	02/18/07	WAP / P07029:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	45	P-10 (A)	02/18/07	WAP / P07029:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	P-11 (A)	02/18/07	WAP / P07029:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	P-12 (A)	02/18/07	WAP / P07029:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	P-13 (A)	02/18/07	WAP / P07029:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	P-14 (A)	02/18/07	WAP / P07029:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/19/06.
F	45	G (I)	09/14/07	CCTV / 1444	Inspection verified the transfer jet was satisfactory per T-DS-G-00015.
F	46	A-01 (A)	02/18/07	WAP / P07028:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	A-02 (A)	02/18/07	WAP / P07028:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	A-03 (A)	02/18/07	WAP / P07028:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	46	A-03 (A)	06/24/07	CCTV / 1520	The conductivity probe was properly positioned per J-JX-G-0001.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	46	A-04 (A)	02/18/07	WAP / P07028:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-01 (A)	02/18/07	WAP / P07028:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-02 (A)	02/18/07	WAP / P07028:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.
F	46	P-03 (A)	06/15/07	DP / P07087:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-04 (A)	06/15/07	DP / P07089:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-04 (A)	07/07/07	DP / P07148:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-05 (A)	06/15/07	DP / P07090:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-06 (A)	06/15/07	DP / P07091:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-07 (A)	06/15/07	DP / P07092:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	46	P-08 (A)	02/18/07	WAP / P07028:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	46	P-09 (A)	02/18/07	WAP / P07028:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.
F	46	P-10 (A)	02/18/07	WAP / P07028:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-11 (A)	02/18/07	WAP / P07028:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-12 (A)	02/18/07	WAP / P07028:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-13 (A)	02/18/07	WAP / P07028:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	46	P-14 (A)	02/18/07	WAP / P07028:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	47	A-01 (A)	02/18/07	WAP / P07027:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	47	A-02 (A)	02/18/07	WAP / P07027:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	47	A-03 (A)	02/18/07	WAP / P07027:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
F	47	A-03 (A)	06/24/07	CCTV / 1520	The conductivity probe was properly positioned per J-JX-G-0001.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	47	A-04 (A)	02/18/07	WAP / P07027:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	47	P-01 (A)	02/18/07	WAP / P07027:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.
F	47	P-02 (A)	02/18/07	WAP / P07027:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.
F	47	P-03 (A)	06/14/07	DP / P07077:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	47	P-04 (A)	06/14/07	DP / P07078:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	47	P-04 (A)	06/14/07	DP / P07079:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 5/13/06. Stains on the secondary vessel wall were caused by inleakage of water.
F	47	P-05 (A)	07/07/07	DP / P07145:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06. Chromate stains on the tank wall and annulus floor have been reconfigured due to condensation on the tank wall.
F	47	P-06 (A)	07/07/07	DP / P07146:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06. Chromate stains on the tank wall and annulus floor have been reconfigured due to condensation on the tank wall.
F	47	P-07 (A)	06/14/07	DP / P07082:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06. The annulus jet installed in the F riser was

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	47	P-08 (A)	02/18/07	WAP / P07027:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/19/06.
F	47	P-09 (A)	02/18/07	WAP / P07027:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/25/06.
F	47	P-10 (A)	07/07/07	WAP / P07147:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 2/18/07.
F	47	P-11 (A)	02/18/07	WAP / P07027:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	47	P-12 (A)	02/18/07	WAP / P07027:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	47	P-13 (A)	02/18/07	WAP / P07027:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
F	47	P-14 (A)	02/18/07	WAP / P07027:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/13/06.
H	48	A-01 (A)	02/18/07	WAP / P07026:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06.
H	48	A-02 (A)	02/18/07	WAP / P07026:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06.
H	48	A-03 (A)	02/18/07	WAP / P07026:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	48	A-03 (A)	12/06/07	CCTV / 1200	Inspection documented the condition of the exterior of the sump transfer line jacket from the LDB Drain Cell was satisfactory per T-DS-G-00001.
H	48	A-04 (A)	02/18/07	WAP / P07026:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06.
H	48	P-01 (A)	02/17/07	WAP / P07026:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
H	48	P-02 (A)	02/17/07	WAP / P07026:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/10/06.
H	48	P-03 (A)	05/15/07	DP / P07058:01-30	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06.
H	48	P-04 (A)	05/15/07	DP / P07059:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06. Stains and marks observed on the secondary vessel wall were caused by the inleakage of water.
H	48	P-04 (A)	05/15/07	DP / P07062:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 4/26/06.
H	48	P-05 (A)	05/15/07	DP / P07060:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06.
H	48	P-06 (A)	02/17/07	WAP / P07026:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/10/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	48	P-07 (A)	02/17/07	WAP / P07026:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/10/06.
H	48	P-08 (A)	02/18/07	WAP / P07026:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/10/06.
H	48	P-09 (A)	02/18/07	WAP / P07026:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/10/06.
H	48	P-10 (A)	05/15/07	DP / P07061:01-27	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06.
H	48	P-11 (A)	02/18/07	WAP / P07026:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06.
H	48	P-13 (A)	02/18/07	WAP / P07026:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06.
H	48	P-14 (A)	02/18/07	WAP / P07026:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 4/26/06.
H	49	VB	06/13/07	CCTV / 1555	Inspection of the walls, floor, jumpers, valves and piping visible from the north inspection port was satisfactory per SW11.6-SVP-45, section 4.7.
H	49	A-01 (A)	01/30/07	WAP / P07015:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. A wet spot on annulus floor was caused by water leaking by the riser plug gasket.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	49	A-02 (A)	01/30/07	WAP / P07015:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. Stains,marks and damp areas observed on the annulus floor and ventilation duct beneath the annulus outlet were caused by water leaking around the outlet.
H	49	A-03 (A)	01/30/07	WAP / P07015:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. Stains and marks on the ventilation duct and annulus floor were caused by the inleakage of water or a failed cooling coil.
H	49	A-03 (A)	02/05/07	WAP / P07021:01	Inspection showed that the damp areas observed on 1/30/07 on the secondary vessel wall are still wet. Cooling coils 9 and 10 have been isolated and additional inspections will be performed to determine if they are the source of the inleakage.
H	49	A-03 (A)	02/11/07	WAP / P07025:01	Remote visual inspection revealed that the damp areas, stains and marks observed on 1/30/07 on the secondary vessel wall had dried indicating that cooling coils 9 and 10 had failed.
H	49	A-04 (A)	01/30/07	WAP / P07015:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. Stains and marks on the ventilation duct and annulus floor were caused by the inleakage of water or a failed cooling coil.
H	49	A-04 (A)	02/05/07	WAP / P07021:02	Inspection showed that the damp areas observed on 1/30/07 on the primary vessel wall are still wet. Cooling coils 9 and 10 have been isolated and additional inspections will be performed to determine if they are the source of the inleakage.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	49	A-04 (A)	02/11/07	WAP / P07025:06	Remote visual inspection revealed that the damp areas, stains and marks observed on 1/30/07 on the tank wall had dried indicating that cooling coils 9 and 10 had failed.
H	49	P-01 (A)	01/30/07	WAP / P07015:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/27/05.
H	49	P-02 (A)	01/30/07	WAP / P07015:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/27/05. A wet spot on the annulus floor was caused by water leaking by the riser plug gasket.
H	49	P-03 (A)	06/18/07	DP / P07110:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06.
H	49	P-04 (A)	06/18/07	DP / P07111:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06.
H	49	P-05 (A)	05/23/07	DP / P07064:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 4/14/04.
H	49	P-05 (A)	05/23/07	DP / P07063:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06.
H	49	P-06 (A)	06/18/07	DP / P07112:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. Chromate deposits and stains observed on the tank wall were caused by the failure of cooling coils 9 and 10.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	49	P-07 (A)	06/18/07	DP / P07113:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. Chromate deposits and stains observed on the tank wall were caused by the failure of cooling coils 9 and 10.
H	49	P-08 (A)	01/30/07	WAP / P07015:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/27/05. A wet spot on the annulus floor was caused by water leaking by the riser plug gasket. Stains and marks on the ventilation duct and annulus floor were caused by the inleakage of water or a failed cooling coil.
H	49	P-08 (A)	02/05/07	WAP / P07021:03	Inspection showed that the damp areas observed on 1/30/07 on the secondary vessel wall are still wet. Cooling coils 9 and 10 have been isolated and additional inspections will be performed to determine if they are the source of the inleakage.
H	49	P-08 (A)	02/11/07	WAP / P07025:02	Remote visual inspection revealed that the damp areas, stains and marks observed on 1/30/07 on the secondary vessel wall had dried indicating that cooling coils 9 and 10 had failed.
H	49	P-09 (A)	01/30/07	WAP / P07015:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 7/27/05. A wet spot on the annulus floor was caused by water leaking by the riser plug gasket. Stains and marks on the ventilation duct and annulus floor were caused by the inleakage of water or a failed cooling coil.
H	49	P-09 (A)	02/05/07	WAP / P07021:04	Inspection showed that the damp areas observed on 1/30/07 on the secondary vessel wall are still wet. Cooling coils 9 and 10 have been isolated and additional inspections will be performed to determine if they are the source of the inleakage.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	49	P-09 (A)	02/11/07	WAP / P07025:03	Remote visual inspection revealed that the damp areas, stains and marks observed on 1/30/07 on the secondary vessel wall had dried indicating that the cooling coils 9 and 10 had failed.
H	49	P-10 (A)	01/30/07	WAP / P07015:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. A wet spot on the annulus floor was caused by water leaking by the riser plug gasket. Stains and marks on the ventilation duct and annulus floor were caused by the inleakage of water or a failed cooling coil.
H	49	P-10 (A)	02/05/07	WAP / P07021:05	Inspection showed that the damp areas observed on 1/30/07 on the secondary vessel wall are still wet. Cooling coils 9 and 10 have been isolated and additional inspections will be performed to determine if they are the source of the inleakage.
H	49	P-10 (A)	02/11/07	WAP / P07025:04	Remote visual inspection revealed that the damp areas, stains and marks observed on 1/30/07 on the secondary vessel wall had dried indicating that cooling coils 9 and 10 had failed.
H	49	P-11 (A)	01/30/07	WAP / P07015:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. A wet spot on the annulus floor was caused by water leaking by the riser plug gasket. Stains and marks on the ventilation duct and annulus floor were caused by the inleakage of water or a failed cooling coil.
H	49	P-11 (A)	02/05/07	WAP / P07021:06	Inspection showed that the damp areas observed on 1/30/07 on the tank vessel wall are still damp with some chromate deposits forming. Cooling coils 9 and 10 have been isolated and additional inspections will be performed to determine if they are the source of the inleakage.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	49	P-11 (A)	02/11/07	WAP / P07025:05	Remote visual inspection revealed that the damp areas, stains and marks observed on 1/30/07 on the tank wall had dried indicating that cooling coils 9 and 10 had failed.
H	49	P-12 (A)	01/30/07	WAP / P07015:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. Chromate stains and marks on the top knuckle plate were caused by a failed cooling coil. Additional inspections will be performed to determine the source of the inleakage.
H	49	P-12 (A)	02/05/07	WAP / P07021:07	Inspection showed that the damp areas observed on 1/30/07 on the primary vessel wall are still wet. Cooling coils 9 and 10 have been isolated and additional inspections will be performed to determine if they are the source of the inleakage.
H	49	P-12 (A)	02/11/07	WAP / P07025:07	Remote visual inspection revealed that the damp areas, stains and marks observed on 1/30/07 on the tank wall had dried indicating that cooling coils 9 and 10 had failed.
H	49	P-13 (A)	01/30/07	WAP / P07015:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. A wet spot on the annulus floor was caused by water leaking by the riser plug gasket.
H	49	P-14 (A)	01/30/07	WAP / P07015:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. A wet spot on the annulus floor was caused by water leaking by the riser plug gasket.
H	50	VB	12/22/07	CCTV / 1474	Inspection of the wall, floor, jumpers, valves and piping was satisfactory per SW11.6-SVP-45, section 4.7.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	50	A-01 (A)	01/29/07	WAP / P07012:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06.
H	50	A-02 (A)	01/29/07	WAP / P07012:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06. Stains and marks observed on top of the ventilation duct, annulus floor and secondary wall were caused by the inleakage of water.
H	50	A-03 (A)	01/29/07	WAP / P07012:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06.
H	50	A-04 (A)	01/29/07	WAP / P07012:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 5/11/06.
H	50	P-01 (A)	01/29/07	WAP / P07012:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/15/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
H	50	P-02 (A)	01/29/07	WAP / P07012:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/15/06. The annulus jet installed in the F riser was satisfactory per T-DS-G-00043.
H	50	P-03 (A)	06/18/07	DP / P07105:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 6/06/07.
H	50	P-04 (A)	06/18/07	DP / P07106:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 6/06/07.
H	50	P-05 (A)	06/06/07	DP / P07068:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 3/8/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	50	P-05 (A)	06/18/07	DP / P07107:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06. An increase in gilsulate material was observed on the annulus floor.
H	50	P-06 (A)	06/18/07	DP / P07108:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	50	P-07 (A)	07/31/07	DP / P07193:01-05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	50	P-08 (A)	01/29/07	WAP / P07012:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/15/06. A small stain observed near the second weld on primary vessel wall was caused by the inleakage of water.
H	50	P-09 (A)	01/29/07	WAP / P07012:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/15/06.
H	50	P-10 (A)	01/29/07	WAP / P07012:09	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	50	P-11 (A)	01/29/07	WAP / P07012:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	50	P-12 (A)	01/29/07	WAP / P07012:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	50	P-13 (A)	01/29/07	WAP / P07012:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	50	P-14 (A)	01/29/07	WAP / P07012:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	51	VB	12/26/07	CCTV / 1516	Inspection of the walls, floor, jumpers, valves and piping visible from the west inspection port was satisfactory per SW11.6-SVP-45, section 4.7.
H	51	A-01 (A)	01/30/07	WAP / P07016:10	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/08/06.
H	51	A-02 (A)	01/30/07	WAP / P07016:11	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/08/06.
H	51	A-03 (A)	01/30/07	WAP / P07016:12	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/08/06. Chromate stains, deposits, and damp areas observed on the tank wall were caused by a failed cooling coil. Coil #12 was identified as failed and subsequent inspections verified that the leak has stopped.
H	51	A-03 (A)	02/05/07	WAP / P07022:01	Inspection revealed that the chromate stains and deposits observed on the tank wall on 1/30/07 had dried and no other areas of concern were identified. Cooling coil # 12 had failed and was isolated.
H	51	A-04 (A)	01/30/07	WAP / P07016:13	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	51	P-01 (A)	01/30/07	WAP / P07016:08	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/15/05.
H	51	P-02 (A)	01/30/07	WAP / P07016:09	Remote visual tank wall inspection revealed no areas of concern since

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	51	P-03 (A)	06/19/07	DP / P07119:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	51	P-04 (A)	06/19/07	DP / P07118:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	51	P-05 (A)	06/18/07	DP / P07114:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	51	P-05 (A)	06/18/07	DP / P07115:01-25	Remote visual inspection of the secondary vessel wall revealed no areas of concern since last evaluated on 4/17/04.
H	51	P-06 (A)	06/18/07	DP / P07116:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	51	P-07 (A)	06/19/07	DP / P07117:01-25	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/8/06.
H	51	P-08 (A)	01/30/07	WAP / P07016:01	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/08/06. Chromate stains, deposits, and damp areas observed on the tank wall were caused by a failed cooling coil. Coil #12 was identified as failed and subsequent inspections verified that the leak had stopped.
H	51	P-08 (A)	02/05/07	WAP / P07022:02	Inspection revealed that the chromate stains and deposits observed on the tank wall on 1/30/07 had dried and no other areas of concern were identified. Cooling coil # 12 had failed and was isolated.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	51	P-09 (A)	01/30/07	WAP / P07016:02	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 8/15/06. Chromate deposits observed on the tank wall were caused by the inleakage of water or a failed cooling coil. Coil #12 was identified as failed and subsequent inspections verified that the leak had stopped.
H	51	P-09 (A)	02/05/07	WAP / P07022:03	Inspection revealed that the chromate stains and deposits observed on the tank wall on 1/30/07 had dried and no other areas of concern were identified. These stains and marks were caused by water inleakage or a failed cooling coil. Coil #12 was identified as failed and subsequent inspections verified that the leak had stopped.
H	51	P-10 (A)	01/30/07	WAP / P07016:03	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/08/06. Stains on the tank wall were caused by the inleakage of water or a failed cooling coil. Chromate deposits on the primary vessel wall had been removed or reconfigured due to the inleakage of water or a failed cooling coil. Coil #12 was identified as failed and subsequent inspections verified that the leak had stopped.
H	51	P-11 (A)	01/30/07	WAP / P07016:04	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/08/06. Stains on the tank wall were caused by the inleakage of water or a failed cooling coil. Chromate deposits on the primary vessel wall had been removed or reconfigured due to the inleakage of water or a failed cooling coil. Coil #12 was identified as failed and subsequent inspections verified that the leak had stopped.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
H	51	P-12 (A)	01/30/07	WAP / P07016:05	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/08/06. Stains and marks observed on the tank wall were caused by the inleakage of water. Stains observed on annulus floor were caused by water leaking around the annulus riser plug.
H	51	P-13 (A)	01/30/07	WAP / P07016:06	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/08/06.
H	51	P-14 (A)	01/30/07	WAP / P07016:07	Remote visual tank wall inspection revealed no areas of concern since last evaluated on 3/08/06.
H	96H	VB	08/10/07	CCTV / 1629	Inspection of the walls, floor, jumper, valves, and piping was satisfactory per SW11.6-SVP-45, section 4.7.
H	DB-03	VP	03/19/07	CCTV / 1565	Inspection of the walls, floors, jumpers, valves, piping and cell covers was satisfactory per SW11.6-SVP-45 section 4.7.
H	DB-04	Sump	03/21/07	CCTV / 1216	Inspection of the walls, floors, jumpers, valves, piping and cell covers was satisfactory per SW11.6-SVP-45 section 4.7.
H	DB-05		03/10/07	CCTV / 1260	Inspection of the diversion box liner, cell covers, jumpers, valves, sump and connector heads was satisfactory per SW11.6-SVP-45 section 4.7.
H	DB-05	FLWB	02/22/07	CCTV / 1260	Inspection of the flush water valve box, valves, and piping was satisfactory per T-DS-G-00001.
H	DB-06	FLWB	02/22/07	CCTV / 1261	Inspection of the flush water valve box, cell covers, valves, and piping was satisfactory per T-DS-G-00001.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER			REMARKS
H	DB-06	NW	03/21/07	CCTV	/	1261	Inspection of the walls, floors, jumpers, valves, piping and cell covers was satisfactory per SW11.6-SVP-45 section 4.7.
H	DB-07	FLWB	02/22/07	CCTV	/	1548	Inspection of the flush water valve box, cell covers, valves, and piping was satisfactory per T-DS-G-00001.
H	DB-07	NW	04/04/07	CCTV	/	1573	Inspection of the walls, floors, jumpers, valves, piping and cell covers was satisfactory per SW11.6-SVP-45 section 4.7.
H	DB-07	Sump	03/22/07	CCTV	/	1573	Inspection of the walls, floors, jumpers, valves, piping and cell covers was satisfactory per SW11.6-SVP-45 section 4.7.
H	DB-08	FLWB	02/22/07	CCTV	/	1546	Inspection of the flush water valve box, cell covers, valves, and piping was satisfactory per T-DS-G-00001.
H	DB-08	NW	03/29/07	CCTV	/	1572	Inspection of the walls, floors, jumpers, valves, piping and cell covers were satisfactory per SW11.6-SVP-45 section 4.7.
H	DB-08	SW	03/29/07	CCTV	/	1572	Inspection of the walls, floors, jumpers, valves, piping and cell covers were satisfactory per SW11.6-SVP-45 section 4.7.
F	EVAP-16	SE	04/26/07	CCTV	/	1580	Inspection of the cell covers, stainless steel liner, jumpers, valves and evaporator pot exterior was satisfactory per SW11.6-SVP-45, sections 4.5 and 4.7. Hard hats, dummy hanford connectors and other extraneous items were observed on the cell floor.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER	REMARKS
F	EVAP-16	SW	04/26/07	CCTV / 1580	Inspection of the cell covers, stainless steel liner, jumpers, valves and evaporator pot exterior was satisfactory per SW11.6-SVP-45, sections 4.5 and 4.7.
H	EVAP-16	NE	12/01/07	CCTV / 1708	Inspection verified conditions of the stainless steel liner, jumpers, valves, piping, evaporator pot exterior and cell covers were satisfactory per SW11.6-SVP-45, section 4.5. Extraneous items were observed on the cell floor.
H	EVAP-16	SW	12/01/07	CCTV / 1708	Inspection verified conditions of the stainless steel liner, jumpers, valves, piping, evaporator pot exterior and cell covers were satisfactory per SW11.6-SVP-45, section 4.5. Extraneous items were observed on the cell floor and in the sump.
H	EVAP-16	E-03 (I)	09/10/07	CCTV / 1649	Inspection of the evaporator pot revealed that scale and deposits had formed rapidly since chemical cleaning in December 2006. One area that was not completely cleaned in 2006 had deposits 9 inches thick, an increase of approximately 6 inches. This evaluation is documented in LWO-LWE-2007-00197.
H	EVAP-25	S-06 (I)	04/03/07	CCTV / 1569	Inspection documented conditions of the evaporator pot interior. No solids were observed on the exposed surfaces of the tube bundle, vessel walls, or service piping. A small amount of loose solids had settled on top of the warming coil. The bottom of the vessel was visible through the remaining liquid. Conditions observed were consistent with normal evaporator operations. Inspection is documented in LWO-LWE-2007-00080.

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER			REMARKS
H	PP-05	NE	05/12/07	CCTV	/	1406	Inspection of the walls, floor, jumpers, valves, piping and cell covers was satisfactory per SW11.6-SVP-45, section 4.7. The passive vent was satisfactory per SW11.6-SVP-45, section 4.9.
H	PP-06	Cell	09/26/07	CCTV	/	1657	Inspection of the walls, floor, jumpers, valves, piping and cell covers was satisfactory per SW11.6-SVP-45, section 4.7. The passive vent was satisfactory per SW11.6-SVP-45, section 4.9.
H	PP-06	NE	05/12/07	CCTV	/	1406	Inspection of the walls, floor, jumpers, valves, piping and cell covers was satisfactory per SW11.6-SVP-45, section 4.7. The passive vent was satisfactory per SW11.6-SVP-45, section 4.9.
F	WLE	05	08/14/07	CCTV	/	1632	Inspection of the encasement cell covers, walls, floor and transfer lines revealed no significant changes since last evaluated on 11/22/03. All degradation of the cell covers has been documented in previous inspections.
F	WLE	06	08/16/07	CCTV	/	1632	Inspection documented the condition of the encasement wall, floor, transfer lines and supports since last evaluated on 3/30/03. No significant degradation was observed. Evidence of water intrusion was observed.
H	WLE	02	04/01/07	CCTV	/	1274	Inspection documented conditions of the waste line encasement. No unusual conditions were observed on the walls, piping or floors. Evidence of water inleakage was observed.
H	WLE	05	04/01/07	CCTV	/	1274	Inspection documented conditions of the waste line encasement. No unusual conditions were observed on the walls, piping or floors. Evidence

AREA	TANK OR ANCILLARY	ACCESS OPENING (A OR I)	DATE	INSPECTION METHOD IDENTIFICATION NUMBER			REMARKS
H	WLE	06	04/08/07	CCTV	/	1274	Inspection documented conditions of the waste line encasement. No unusual conditions were observed on the walls, piping or floors. Evidence of water inleakage was observed.
H	WLE	07	04/02/07	CCTV	/	1274	Inspection documented conditions of the waste line encasement. No unusual conditions were observed on the walls, piping or floors. Evidence of water inleakage was observed.

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