U.S. Department of Energy
Office of River Protection
P.O. Box 450, MSIN H6-60
Richland, Washington 99352

04-WTP-285 December 21, 2004

Mr. J. P. Henschel, Project Director
Bechtel National, Inc.
2435 Stevens Center
Richland, Washington 99352

Dear Mr. Henschel:

CONTRACT NO. DE-AC27-01RV14136 – INSPECTION REPORT A-04-AMWTP-RPPWTP-004 – ON-LOCATION INSPECTION REPORT FOR THE PERIOD OCTOBER 1, 2004, THROUGH DECEMBER 15, 2004

This letter forwards the results of the U.S. Department of Energy (DOE), Office of River Protection review of Bechtel National, Inc. (BNI) construction performance of the Waste Treatment and Immobilization Plant (WTP) for the period October 1, 2004, through December 15, 2004. One Finding was identified regarding the failure of BNI to ensure equipment procured for the WTP met procurement requirements. You are requested to respond to the Finding as instructed in the Notice of Finding, Enclosure 1.

Construction performance was generally good during this inspection period. Of the 100 or more documented DOE surveillance activities covering portions of nearly all site construction activities performed this quarter, most resulted in no issues being identified. However, issues associated with electrical safety performance (working with or near high voltage equipment) and safety performance associated with working at higher elevations (materials falling from elevated work sites) indicate continued management oversight is warranted in this area. A summary of the inspection is documented in the inspection report, Enclosure 2.

If you have any questions, please contact me, or your staff may call Mike Thomas, Operations and Commissioning Team Leader, (509) 373-5014.

Sincerely,

Roy J. Schepens
Manager

WTP:JWM

Enclosures (2)

cc w/encls:
R. Davis, BNI
W. R. Spezialetti, BNI

NOTICE OF FINDING

Section C, Standard 7, "Environment, Safety, Quality, and Health," of Contract DE-AC27-01RV14136, dated December 11, 2000, between Bechtel National, Inc. (the Contractor) and the U.S. Department of Energy (DOE), defined the Contractor's responsibilities under the Contract as they are related to conventional non-radiological worker safety and health; radiological, nuclear, and process safety; environmental protection; and quality assurance.

Standard 7, Section (e)(3), Q*uality Assurance*, requires the Contractor to develop and implement a quality assurance (QA) program. The QA program is required to be submitted to DOE for approval.

The Contractor's Quality Assurance Manual (QAM), Revision 5, dated July 15, 2004, contain the policies, which establish the QA requirements for the project. QAM Policy Q-07.1, *Control of Purchased Items and Services,* Section 3.8, *Acceptance of Items or Services Inspection*, Paragraph 3.8.3 states "Methods for accepting supplier furnished items or services shall include one or more of the following, as appropriate to the items or services being procured." Section 3.8.3.B states "Performing one or a combination of source verification, receiving inspection, or post-installation test."

During inspections of the Contractor performance of construction activities at the Waste Treatment and Immobilization Plant (WTP) from October 1, 2004, through December 15, 2004, the following deficiency was identified:

> The Contractor utilized source inspections and receipt inspections to ensure the procurement of the Spent Resin Dewatering Skid RDP-SKID-00001 met design and authorization basis requirements in accordance with QAM Policy Q-07.1.
>
> Contrary to the above, following vendor site inspections and completion of the receipt inspection, a number of hardware deficiencies were identified with the Spent Resin Dewatering Skid RDP-SKID-00001 including: 1) ac wiring and instrument signal wire were installed in the same raceways (an NEC Article 725-54(a) violation); 2) Temperature Transmitter RDP-TT-0253 had the factory plastic cap installed instead of the NEC Article 110-12(a) required metal plug; 3) arc strikes were identified near nozzles 2 and 3 (contrary to specification 24590-PTF-3PS-MWD0-T0003, paragraph 3.6.7); 4) residue was identified near pipe welds next to the skid pressure vessel (contrary to Specification 24590-WTP-3PS-MV00-T0001, paragraph 7.3.2); 5) the longitudinal weld on RDP-VSL-00004 only had spot radiography performed rather then the design required 100% radiography; and 6) documentation of the required instrumentation burn-in time was unclear (72 hours required by the specification or three 12 hour cycles allowed by an approved SDDR).

Failure of the Contractor to ensure equipment procured for the WTP meets procurement requirements is a Finding against QAM Policy Q-07.1, Section 3.8. (Finding A-04-AMWTP-RPPWTP-004-F01)

The Manager, DOE Office of River Protection requests the Contractor provide, within 30 days of the date of the cover letter that transmitted this Notice, a reply to the Finding above. The reply should include: 1) admission or denial of the Finding; 2) the reason for the Finding, if admitted, and if denied, the reason why; 3) the corrective steps that have been taken and the results achieved; 4) the corrective steps that will be taken to avoid further Findings; and 5) the date when full compliance with the applicable commitments in your authorization bases will be achieved. Where good cause is shown, consideration will be given to extending the requested response time.

U.S. DEPARTMENT OF ENERGY
Office of River Protection

INSPECTION:	On-location Inspection Report for the Period October 1, 2004, through December 15, 2004
REPORT NO.:	A-04-AMWTP-RPPWTP-004
FACILITY:	Bechtel National, Inc. (BNI)
LOCATION:	2435 Stevens Center Richland, Washington 99352
DATES:	October 1, 2004, through December 15, 2004
INSPECTORS:	J. McCormick-Barger, Construction Inspection Lead J. Bruggeman, ORP Facility Representative S. Pfaff, ORP Facility Representative B. Harkins, ORP Facility Representative M. Evarts, Team Member D. Wallace, Team Member R. Taylor, Team Member L. McKay, ORP Radcon Specialist
APPROVED BY:	M. Thomas, Operations and Commissioning Team Leader Waste Treatment and Immobilization Plant Project

INSPECTION REPORT

Introduction

During the period October 1, 2004, through December 15, 2004, the U.S. Department of Energy, (DOE), Office of River Protection (ORP), Waste Treatment and Immobilization Plant (WTP) Project conducted inspections of important-to-safety (ITS) and non-ITS (Balance-of-Plant) activities of the construction of the WTP. These inspections were documented on inspection notes and maintained electronically. There were 102 inspections of various construction activities summarized below. Copies of the inspection notes are available upon request.

Significant Observations and Conclusion

- The Contractor had adequately prepared for and placed four small power transformers in Switch Gear Building 91. (Inspection Note 004-01.)

- Pretreatment Facility (PTF) crane coordination and operations were well conducted during the assessment period. (Inspection Note 004-02.)

- Permanent and temporary electrical equipment installations were generally installed in accordance with the National Electrical Code (NEC). However, the following NEC violations were identified and corrected during the assessment period: modular Office Trailer #7 (northwest corner of PTF) had an electrical panel board located inside the office trailer that did not have the required three foot working clearance; a bonding jumper was not installed between the grounded conductor and the equipment grounding conductors/enclosures, and the required three foot panelboard clearance was not provided for temporary power to the Pipefitter's Modular Pad #1 and Office Trailer on the northwest corner of PTF; wrong size breaker installed in Cooling Tower Building 83S Motor Control Center LVE-MCC-83001B (30 amp installed 15 amp required); a #12 AWG conductor was installed at the 25 KVA mini power center for the PTF Pipefitter Modular Pads when a #10 AWG conductor was required; undersized grounding conductors were installed on general distribution rack GDR-045; and grounding installations did not match design drawing requirements. (Inspection Notes 004-03, 004-04, 004-12, 004-23, 004-25, 004-42, 004-48, 004-49, 004-59, 004-60, 004-69, and 004-88.)

- Pneumatic and hydraulic testing of installed piping was conducted in accordance with site procedures and specifications, and code requirements. (Inspection Notes 004-05, 004-11, 004-21, 004-31, 004-34, 004-41, 004-58, 004-63, 004-66, 004-67, 004-73, 004-77, 004-91, 004-92, 004-93, 004-94, 004-95, and 004-96.)

- Quality Control verification of High Level Waste (HLW) slab 1037 was performed in accordance with site procedures and specifications. Rebar, embeds, and forms were determined to have been installed in accordance with design and code requirements. (Inspection Note 004-06.)

- Several National Fire Protection Association (NFPA) 70E safety issues were identified with the way the Contractor performed maintenance on the Main Distribution Switch which provides temporary power for the site. Specifically, the Contractor did not issue a Job Hazards Analysis prior to working on the high voltage system; did not perform a required Flash Hazard Analysis; did not use all of the required personal protective equipment (PPE); and did not provide required specific safety training for the work performed. Subsequent to this activity, the Contractor committed to develop a procedure to address high voltage work and specify the PPE and analyses required prior to performing the work. (Inspection Note 004-07.)

- The Contractor's pipe support program, including approved installation procedures and technical specifications, and welding specifications and procedures, met design and code requirements. Also, selected pipe supports were found to have been installed in accordance with this pipe support installation program. (Inspection Note 004-08.)

- The Contractor had appropriate cold weather concrete procedures, controls, and equipment in place to ensure adequate production, placement, curing and protection of concrete. (Inspection Note 004-09.)

- The Contractor performed an adequate follow-up of an event where a large soil compactor (roller) hit and damaged a 2" PVC water line. (Inspection Note 004-10.)

- Low Activity Waste (LAW), Laboratory (LAB), and PTF structural steel was being installed in accordance with appropriate installation procedures, technical specifications, and design documents. (Inspection Notes 004-13, 004-30, and 004-74.)

- The Contractor was taking appropriate actions to obtain Underwriters Laboratories, Inc. (UL) listing for Cooling Tower Building 83 Lightning Protection. (Inspection Note 004-15.)

- PTF Waste Feed Receipt Vessels FRP-VSL-0002A, B, C, and D were adequately hydrostatically tested in accordance with appropriate procedures, specifications, and code requirements. (Inspection Notes 004-16, 004-40, 004-46, and 004-56.)

- The Contractor had purchased and installed reinforcement, embeds, and/or electrical grounding material at the chiller/Compressor Facility (Building 82) slab, LAW slab 104, and HLW slabs 1016 and 1041 in accordance with appropriate procedures, specifications and code requirements. (Inspection Notes 004-17, 004-28, 004-29, 004-37, and 004-80.

- The sub-contractor was installing liner plate for PTF Waste Feed Receipt Vessel FRP-VSL-0002B, in room P0019, and in a pipe chase located at the 0'-0" elevation column lines G & H and 15 &16 and column lines F.5 - H and 12 & 13 in accordance with appropriate procedures, specifications, and welding code requirements. (Inspection Notes 004-18, 004-44, 004-85, and 004-89.)

- Leak testing and settlement verification of Fire Water Tank FSW-TK-00002 verified the workmanship and design of the tank conformed to contract documents and applicable codes. (Inspection Note 004-19.)

- Roof insulation being installed at Nonradioactive Liquid Discharge Tank NLD-TK-00001 conformed to contract requirements. (Inspection Note 004-20.)

- Following a U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Bulletin alerting employers about the hazards associated with excavator bucket quick release couplers, the Contractor took appropriate actions to prevent an inadvertent release of an excavator bucket. (Inspection Note 004-22.)

- Analytical Laboratory Facility (LAB) soil backfill and compaction activities for the basemat were conducted in accordance with appropriate procedures, specifications, and code requirements. (Inspection Notes 004-26 and 004-86.)

- Stainless steel pipe spools destined for PTF black cells were being stored in accordance with the pipe installation procedure. (Inspection Note 004-32.)

- The Contractor had adequately prepared for and offloaded Vessel TCP-VSL-00001 in a safe manner in accordance with the Contractor's rigging procedures and safety standards. (Inspection Note 004-33.)

- Welding activities, including fit-up, purging, use of proper weld rod, welder certification, and material, for Primary Off Gas Scrubber Condensate Vessel HOP-VSL-00903 cooling water jacket were in accordance applicable procedures, specifications, and welding codes. (Inspection Note 004-35.)

- PTF Pipe support H25021 at the northwest piping modular slab was being installed in accordance with applicable procedures and welding codes. (Inspection Note 004-36.)

- During two OSHA Construction Safety Training courses, the students performed in-depth inspections of safety practices at the WTP. A number of improvements were identified and discussed with the Contractor. The Contractor subsequently took appropriate actions to address the issues raised. (Inspection Notes 004-39 and 004-98.)

- Site excavations were being performed and controlled in accordance with procedures, OSHA requirements, and applicable design requirements. (Inspection Note 004-43.)

- The Contractor had batched, placed, consolidated, tested, and monitored concrete for the PT 28-02 slab and HLW-1101 wall in accordance with applicable design, engineering specifications, and code requirements. (Inspection Notes 004-45 and 004-97.)

- The Contractor developed a preliminary welding matrix to address weld inspection concerns discussed in the last construction inspection report (A-03-AMWTP-RPPWTP-003). Several comments were identified and discussed with the Contractor. (Inspection Note 004-51.)

- Based on a re-inspection of Motor Control Centers LVE-MCC-83001A and B, four of the remaining five NEC deficiencies items were closed associated with assessment follow-up item A-04-AMWTP-RPPWTP-003-A04. (Inspection Note 004-53.)

- Sub-contractor, Northwest Inspection, was observed implementing good radiological controls during performance of radiography at the site Combo Shop. (Inspection Note 004-55.)

- AIT, the Contractor's auto-ultrasonic testing (AUT) sub-contractor, had an acceptable quality assurance program for conduct of AUT activities. AIT was adequately implementing its quality assurance program and AUT procedures. (Inspection Note 004-61.)

- During final acceptance walkdown of Cooling Tower Buildings 83 and 83S, the sub-contractor installed heater CIV-UH-00044 in the working space of the Medium Voltage (4160 volt) Motor Control Center MSTR-PMP-0005B; the sub-contractor installed a bonding jumper and grounding electrode conductor at the LTE-XFMR-83001 and the manufacturer had installed a bonding jumper at the X0 bushing of the transformer, therefore the grounded conductor was bonded in both places; and Panel PCW-BOX-0002 had Belden type PLTC, 300 volt Class 2 or 3 cable KCT-8069/SBLK4.2 installed in the same wireway with Class 1 circuits and power circuits. These deficiencies were provided to the Contractor and were added to the Acceptance Test Report Punchlist for tacking to resolution. (Inspection Note 004-64.)

- Following vendor inspections and subsequent receipt inspection of the Spent Resin Dewatering Skid, RPD-SKID-00001, DOE inspectors identified several examples where the skid equipment did not meet engineering and/or code requirements. Two involved electrical code and specification requirements. Furthermore, the procurement package did not require electrical inspections either at the supplier location or during receipt inspection. Failure of the Contractor to ensure permanent plant equipment complied with purchase order requirements and specified code requirements is consider a Finding against Quality Assurance Manual Policy Q-07.1 Section 3.8, *Acceptance of Items or Services* (Finding A-04-AMWTP-RPPWTP-004-F01). In addition, three electrical issues were identified regarding electrical equipment not being listed and labeled and ground wire color coding inconsistencies. The Contractor was taking actions to obtain the required listings and address the color coding concern. Resolution of these issues will be tracked as assessment follow-up item A-04-AMWTP-RPPWTP-004-A03. (Inspection Note 004-57.)

- The Contractor took appropriate actions to address an event where a worker placed his hand in a rotating fan, fracturing and lacerating his fingers. (Inspection Note 004-24.)

- The sub-contractor responsible for fabrication of the stainless steel Demineralized Water Storage Tank (DIW-TK-00004) was fabricating the tank in accordance with the established requirements except for the welding of galvanized conduit supports on the side of the tank. The weld engineering specification did not allow galvanized steel to be welded to stainless steel and the welding procedure used to perform the welds did not list the galvanized steel as an acceptable metal (required by ASME Section IX paragraph QW-403). The tank had not been final inspected by the Contractor at the time of the inspection. The Contractor was notified of this issue and they issued Construction Deficiency Report 24590-WTP-CDR-CON-04-0149. Follow-up on the Contractor's action to address this deficiency will be tracked as assessment follow-up item A-04-AMWTP-RPPWTP-004-A02. (Inspection Note 004-50.)

- Liner plate installation within the pipe chase located at 0'-0" elevation in the PTF, at column lines E and 13 was installed in accordance with the specified requirements. However, several small areas of weld spatter were found and subsequently removed by grinding. (Inspection Note 004-70.)

- Shaw NAPTech, Inc.'s quality assurance program was adequate to perform the work specified in the Contractor's Purchase Orders. Welding and non-destructive examination (NDE) procedures met applicable code requirements and welding personnel qualification records were adequate for the work reviewed. The Contractor's Supplier Quality Verification activities were adequate for the work being performed and well documented. (Inspection Note 004-81.)

- Petersen, Inc.'s quality assurance program was adequate to perform the HLW and LAW melter fabrication work specified in the Contractor's Purchase Orders. Welding and NDE procedures met applicable code requirements and welding personnel qualification records were adequate. The Contractor's Supplier Quality Verification activities were adequate for this early stage of procurement.

  One concern was identified regarding the failure of the Petersen, Inc.'s purchase order to require the supplier to meet NEC requirements for electrical work specified in the purchase order or to require electrical assembles to be listed by an authorized laboratory. Follow-up on this concern will be tracked as assessment follow-up item A-04-AMWTP-RPPWTP-004-A05. (Inspection Note 004-82.)

- The Contractor's site fall protection lifeline practices were adequate. Two items were identified regarding the procedure not specifying the minimum anchorage dead weight for lifelines, and tagging lifelines with the number of users allowed on each lifeline. Follow-up will be tracked as assessment follow-up item A-04-AMWTP-RPPWTP-004-A04. (Inspection Note 004-75.)

- The Contractor and simulator building installation sub-contractor performed an acceptable final walk down of the simulator building and identified appropriate outstanding issues and documented them on the final punch list. (Inspection Note 004-27.)

- On November 23, 2004, the Contractor conducted an adequate emergency response drill where a simulated 200 East Area "Site Area Emergency" was declared. A "Take Cover" protective action was initiated at the WTP site and was accomplished within 22 minutes of the start of the drill. Management and staff performed well and the subsequent critique included good observations and comments. The exercise report reflected these comments and assigned corrective actions as needed. (Inspection Note 004-71)

- The Contractor was adequately implementing its Suspect / Counterfeit Item (S/C I) Program in accordance with Contract requirements. Corrective actions for Finding A-04-AMWTP-RPPWTP-001-F01 were verified to have been implemented and this item is considered closed. (Inspection Note 004-68)

- The Contractors site rigging activities were conducted safely and in accordance with their procedures and industry standards. (Inspection Note 004-47)

- Leak testing of the LAW C-2 ductwork for the -21 foot south, north, and east corridors verified the workmanship of the ductwork and conformed to contract documents and the applicable codes. (Inspection Notes 004-65, 004-83 and 004-90)

- The Contractor had adequately prepared for and utilized the suspended personnel platform in a safe manner during examination of the bolts holding the High Mast Light lid in accordance with the applicable requirements. (Inspection Note 004-84)

- The Contractor had prepared LAB piping trenches per site procedures, prior to placing controlled density fill. (Inspection Note 004-72)

- PTF welding operations, at Field Weld (FW)-01 on 8" C-2 floor drain piping, were performed in accordance with required procedures and welding code. (Inspection Note 004-76)

- Fire Water Tank shell insulation was installed in accordance with applicable sub-contract requirements. (Inspection Note 004-78)

- The application of semi-rigid thermal insulation at the -21 foot elevation in the south corridor of the Low Activity Waste (LAW) Facility on the C2 rectangular Supply Duct was performed in accordance with the engineering specification. (Inspection Note 004-87)

- The Contractor had adequately prepared for and set/off loaded Low Activity Waste (LAW) Facility +3 foot elevation vessels (RLD-VSL-00003, RLD-VSL-00005, LOP-SCB-00001, LOP-SCB-00002, LOP-VSL-00001 & 00002, LCP-VSL-00001 and LFP-VSL-00001 thru

00004) in a safe manner in accordance with the applicable requirements. (Inspection Note 004-79.)

- The Power City Electric mobile office located on the south side of Steam Plant Building 85 did not meet NEC requirements in that the power disconnect was located on the mobile office and there was no installed grounding electrode. These deficiencies will be tracked as assessment follow-up item A-04-AMWTP-RPPWTP-004-A06. (Inspection Note 004-52.)

- Four NEC electrical violations were identified with the temporary power to T5A Change House Trailer installed west of T5 Building. They included: 1) the liquidtight flexible metal conduit installed in concentric knockout in the 480-volt, 100-amp disconnect feeding the transformer, did not have a grounding bushing installed; 2) the liquidtight flexible metal conduit installed from the transformer to the panelboard did not have a substantial bushing at the transformer, a plastic bushing was installed; 3) the bonding jumper is required to be #4 AWG (sized off of 3/0 phase conductors), a #6 AWG conductor was installed; and 4) the transformer secondary conductors (3/0 AWG) terminated at the 225-amp main breaker in the panelboard; the allowable ampacity of 3/0 conductors is 200-amps. Resolution of the above deficiencies will be tracked as assessment follow-up item A-04-AMWTP-RPPWTP-004-A07. (Inspection Note 004-100.)

- The fire protection system installation sub-contractor had installed LAW -21’ elevation fire protection piping, supports, and sway struts in accordance with the design, specification, and NFPA 13. (Inspection Note 004-99.)

- Grout placement of bogie rail plates, at the -21’ elevation, column lines K and 14 of the LAW, had been performed satisfactorily. (Inspection Note 004-102.)

- During inspection of temporary power installed to Clayton Coatings Office Trailer located southeast of the Combo Shop, disconnect DS-3 installed previously by a sub-contractor, did not meet NEC requirements. A #6 AWG equipment grounding conductor with #2 AWG circuit conductors was installed to the line side of the 100-amp disconnect. A #2 equipment grounding conductor is required based off the 800-amp overcurrent device ahead of the equipment. Follow-up on this item will be tracked as an assessment follow-up item (A-04-AMWTP-RPPWTP-004-A08). (Inspection Note 004-101.)

List of Assessment Items Opened, Closed, and Discussed

Opened

A-04-AMWTP-RPPWTP-004-F01	Finding	Failure of the Contractor to ensure permanent plant equipment (Spent Resin Dewatering Skid RDP-SKID-00001) complied with purchase order requirements and specified code requirements. (Inspection Note 004-57.)
A-04-AMWTP-RPPWTP-004-A02	Assessment Follow-up Item	Follow-up on Contractor actions to resolve a welding issue regarding welding galvanized conduit supports on the side of the stainless steel Demineralized Water Storage Tank (DIW-TK-00004). (Inspection Note 004-50.)
A-04-AMWTP-RPPWTP-004-A03	Assessment Follow-up Item	Follow-up on Contractor actions to resolve issues regarding electrical equipment not being listed and labeled, and ground Wire color coding inconsistencies. (Inspection Note 004-57.)
A-04-AMWTP-RPPWTP-004-A04	Assessment Follow-up Item	Follow-up on Contractor actions to address the fall protection procedure not specifying the minimum anchorage dead weight for lifelines, and tagging lifelines with the number of users allowed on each lifeline. (Inspection Note 004-75.)
A-04-AMWTP-RPPWTP-004-A05	Assessment Follow-up Item	Follow-up on Contractor actions to to address the failure of the Petersen, Inc. purchase order to require the supplier to meet National Electrical Code (NEC) requirements for electrical work specified in the purchase order or to require electrical assembles to be listed by an authorized laboratory. (Inspection Note 004-82.)
A-04-AMWTP-RPPWTP-004-A06	Assessment Follow-up Item	Follow-up on Contractor actions to address Power City Electric mobile office electrical deficiencies (the power disconnect

		was located on the mobile office and there was no installed grounding electrode). (Inspection Note 004-52.)
A-04-AMWTP-RPPWTP-004-A07	Assessment Follow-up Item	Follow-up on Contractor actions to address T5A Change House Trailer electrical deficiencies. (Inspection Note 004-100.)
A-04-AMWTP-RPPWTP-004-A08	Assessment Follow-up Item	Follow-up on Contractor actions to address Clayton Office Trailer electrical deficiency. (Inspection Note 004-101.)

Closed

A-03-AMWTP-RPPWTP-005-A02	Assessment Follow-up Item	Follow-up on Contractor actions to resolve issue with Simulator Building ground conductor, which was installed as 2/0 AWG when the Performance Specification required 4/0 AWG. (Inspection Note 004-38.)
A-04-AMWTP-RPPWTP-001-F01	Finding	Follow-up on Contractor actions to address Suspect Counterfeit Item Program implementation issues. (Inspection Note 004-68.)
A-04-AMWTP-RPPWTP-002-A01	Assessment Follow-up Item	Follow-up on Contractor actions to address vent plug configuration in flammable material cabinets. (Inspection Note 004-14.)
A-04-AMWTP-RPPWTP-002-F04	Finding	Follow-up on Contractor actions to address QISI not recording initial cure temperatures as required by ACI 349/ASTM C-31-00 (SRD Criterion 4.1-2). (Inspection Note 004-54.)
A-04-ESQ-RPPWTP-004-A01	Assessment Follow-up Item	Follow-up on Contractor actions to address 100% volumetric inspection requirements for black cell tanks. (Inspection Note 004-62.)