

U.S. Department of Energy
OFFICE OF RIVER PROTECTION

P.O. Box 450, MSIN H6-60
Richland, Washington 99352

JAN 17 2007

07-WTP-006

Mr. C. M. Albert, Project Manager
Bechtel National, Inc.
2435 Stevens Center Place
Richland, Washington 99354

Dear Mr. Albert:

CONTRACT NO. DE-AC27-01RV14136 – INSPECTION REPORT A-06-AMWTP-RPPWTP-004 – ON-LOCATION INSPECTION REPORT FOR THE PERIOD OCTOBER 1, 2006, THROUGH DECEMBER 31, 2006

This letter forwards the results of the U.S. Department of Energy, Office of River Protection review of Bechtel National, Inc. (BNI) construction performance of the Waste Treatment and Immobilization Plant for the period October 1, 2006, through December 31, 2006. One cited Finding and three non-cited Findings were identified during this inspection period. The cited Finding requires a formal response and regards BNI inappropriately allowing a supplier to procure steel and weld filler metal from sub-tier suppliers that did not have NQA-1 quality assurance programs. The Notice of Finding (Attachment 1) describes this issue and contains the instructions for responding.

Because the supplier, associated with the cited Finding discussed above, had taken appropriate measures to ensure the steel and weld filler metal complied with requirements, the Finding for this supplier has only minor significance. However, the practice of allowing suppliers to deviate from necessary quality requirements may have been wide spread and may have compromised quality requirements for other procurements. BNI should discuss in its response to this Finding, the extent of condition including the impact it has had on the quality of procured and/or installed components and equipment.

This letter is not considered to constitute a change to the Contract. In the event BNI disagrees with this interpretation, it must immediately notify the Contracting Officer orally, and otherwise comply with the requirements of the Contract clause entitled 52.243-7 Notification of Changes.

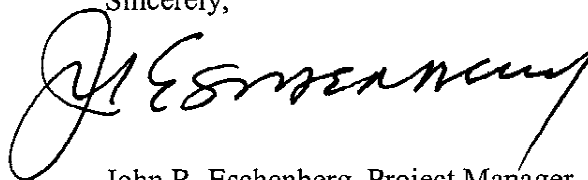
JAN 17 2007

Mr. C. M. Albert
07-WTP-006

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If you have any questions, please contact me, (509) 376-3681.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Eschenberg". The signature is fluid and cursive, with a large initial "J" and a long, sweeping underline.

John R. Eschenberg, Project Manager
Waste Treatment and Immobilization Plant Project

WTP:JWM

Attachments:

1. Notice of Finding
2. On-Location Inspection Report

cc w/attach:

D. Jantosik, BNI
D. Kammenzind, BNI
BNI Correspondence

NOTICE OF FINDING

Section C, “Statement of Work,” Standard 7, “Environment, Safety, Quality, and Health,” of Contract DE-AC27-01RV14136, dated December 11, 2000, between the U.S. Department of Energy (DOE) and Bechtel National, Inc. (BNI) defined BNI’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) of the Contract required BNI to develop and implement a Quality Assurance (QA) program, supported by the documentation that describes the overall implementation of QA requirements. The documentation shall identify the procedures, instructions, and manuals used to implement BNI’s QA program within BNI’s scope of work. For radiological, nuclear, and process safety, QA is to be conducted in accordance with Title 10 *Code of Federal Regulations* (CFR) Part 830 Sub-Part A¹. BNI’s QA program was documented in 24590-WTP-QAM-QA-01-001, *Quality Assurance Manual (QAM)*, dated October 31, 2006.

While performing assessments of BNI’s construction activities, conducted from October 1, 2006, through December 31, 2006, the DOE Office of River Protection (ORP) identified the following Finding:

QAM Policy Q-04.1, paragraph 3.2.6, stated the procurement documents shall require the supplier to incorporate the appropriate QA requirements in sub-tier procurement documents.

Contrary to the above, Paxton and Vierling Steel Company Purchase Order – 24590-QL-MRB-SS01-00002, Revision 8, Section 2 (Technical Specification), paragraph 2.4 (Technical Notes for Structural Steel), note 16 stated: “Manufacturer’s and distributors of Welding Filler Material, to be supplied in accordance with AWS D1.1 Code, are exempt from NQA-1 surveys/audits, but material verification will be performed in accordance with the following plan:...”

Also, note 11 of the purchase order technical specification allowed the supplier to purchase steel from a domestic steel mill without the mill complying with Nuclear Quality Assurance (NQA)-1, (only the laboratory that performed the analysis, test, and prepared the material test report [MTR] for the structural steel needed to comply with NQA-1 requirements).

In both cases described above, BNI’s Paxton and Vierling Steel technical specification was not in accordance with BNI’s QAM, Policy Q-04.1, paragraph 3.2.6, in that the procurement documents did not require the supplier to incorporate the appropriate QA requirements in sub-tier procurement documents. This is considered a Finding against QAM Policy Q-04.1 (**Finding A-06-AMWTP-RPPWTP-004-F03**). (Inspection Note 004-37)

¹ 10 CFR 830, “Nuclear Safety Management”; 10 CFR 830 Sub-Part A, “Quality Assurance Requirements”

The Waste Treatment and Immobilization Plant Project Manager requests BNI to 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 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

REPORT NO.: A-06-AMWTP-RPPWTP-004

FACILITY: Bechtel National, Inc. (BNI)

LOCATION: 2435 Stevens Center
Richland, Washington 99354

DATES: October 1, 2006, through December 31, 2006

INSPECTORS: J. McCormick-Barger, Construction Inspection Lead
J. Bruggeman, ORP Facility Representative
J. Christ, ORP Facility Representative
B. Harkins, ORP Facility Representative
J. Navarro, ORP Facility Representative
E. Enloe, Team Member
M. Evarts, Team Member
R. Taylor, Team Member
D. Wallace, Team Member

APPROVED BY: J. R. Eschenberg, Project Manager
Waste Treatment and Immobilization Plant Project

INSPECTION REPORT

Introduction

During the period October 1, 2006, through December 31, 2006, 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 45 inspections of various construction activities, summarized below. A summary listing of the inspection notes is included at the end of this report; copies of the inspection notes are available upon request.

Significant Observations and Conclusion

- Bechtel National, Inc. (BNI) was found installing temporary electrical equipment in accordance with the National Electrical Code (NEC). (Inspection Note 004-01, 004-02, 004-03, and 004-08)
- Heating, ventilation, and air conditioning (HVAC) duct work in the Low-Activity Waste (LAW) Facility was being installed in accordance with design and applicable code requirements. (Inspection Note 004-05)
- Pneumatic and hydraulic shop and field testing of installed (or to be installed) piping was conducted in accordance with site procedures and specifications, and code requirements. The tested piping was installed in accordance with design and specification requirements. (Inspection Notes 004-06, 004-13, 004-28, and 004-34)
- From a review of activities associated with BNI work performance improvements, BNI was found to have made sufficient progress in addressing workers working outside controls unknowingly. However, continued work and vigilance is necessary to ensure BNI's processes are adequately developed and implemented to ensure workers are working inside the controls, and there are mechanisms to alert workers when they are working outside the expected normal operational area before an event occurs. (Inspection Note 004-07)
- BNI installed LAW HVAC stack support structural steel in accordance with approved design drawings and specifications. (Inspection Note 004-10)
- LAW Non-Radioactive Liquid Waste Drain System (NLD) pipe and pipe supports at the -21' elevation were found to have been installed in accordance with established requirements, and quarterly maintenance on the NLD pumps had been performed as required. (Inspection Note 004-11)
- During review of Field Weld Checklist (FWCL) for adding possible DOE welding witness points, the inspector noticed that on the 24590-LAW-FWCL-CON-06-02044 record the block, "VT Procedure," was filled out with a welding code reference instead of an approved visual test (VT) procedure from the weld control manual. The Contractor's *Quality Assurance*

Manual (QAM) (24590-WTP-QAM-QA-01-001), Policy Q-05.1, paragraph 3.1.1, states: “Activities affecting quality shall be prescribed by and performed in accordance with documented instructions, procedures, and drawings of the type appropriate to the circumstances that include or reference appropriate quantitative or qualitative acceptance criteria for determining that prescribed activities have been satisfactorily accomplished.” BNI acknowledged the FWCL was wrong and voided it. BNI then assigned this work to the HVAC subcontractor who had the appropriate VT procedure. (Inspection Note 004-12)

- BNI’s Job Hazards Analyses (JHA) process was not fully effective at communicating and implementing worker hazard awareness. Issues identified demonstrated weaknesses in implementing the JHA program, with some of these issues being identified a year ago in inspection note A-05-AMWTP-RPPWTP-003-59, *Hazard Identification and Analysis at the WTP Site*. BNI management reviewed and agreed with these issues and communicated its intent to revise the JHA procedure. The Contractor’s actions to address these issues will be tracked as assessment follow-up item (AFI), **A-06-AMWTP-RPPWTP-004-A06**. (Inspection Note 004-14)
- Overall, BNI was capturing and addressing issues in its corrective action reporting system, including Industrial Safety and Health (IS&H) issues, at a significantly lower threshold level than ever before. Non-contractual issues with BNI’s corrective action process were identified regarding BNI not properly characterizing some Project Issues Evaluation Report (PIER) reports as IS&H and/or externally identified. These issues were being addressed by BNI. (Inspection Note 004-16)
- BNI installed forms, reinforcement, and embed steel (FRE), and batched, placed, consolidated, tested, and monitored concrete in accordance with engineering specifications and 24590-WTP-SRD-ESH-01-001-02, *Safety Requirements Document*. (Inspection Notes 004-17)
- BNI had adequately prepared for and set the LAW HVAC stack in a safe manner in accordance with the applicable requirements. (Inspection Note 004-18)
- BNI performed an adequate investigation and implemented adequate corrective actions to address an accident involving an in-use fall restraint beam anchor falling off of a structural beam in the LAW. (Inspection Note 004-19)
- BNI took adequate precautions to address cold weather concrete placements. (Inspection Note 004-20)
- BNI performed an adequate investigation and implemented adequate corrective actions to address compressed air fitting failures. (Inspection Note 004-21)
- BNI was implementing an acceptable Fall Prevention and Protection Program in accordance with DOE expectations and Occupational Safety and Health Administration (OSHA) requirements. (Inspection Note 004-22)

- LAW 24' elevation air supply ducting insulation was being installed in accordance with approved installation procedures. (Inspection Note 004-23)
- With one exception, BNI was implementing an adequate bloodborne pathogen program. BNI had not performed the required yearly review and program update. BNI agreed to review and update this program. (Inspection Note 004-25)
- Adequate corrective actions to address an October 11, 2006, incident regarding the cutting of a 240-volt electrical line with a scissors lift operated by a crew of subcontractor painters were being implemented and planned to be completed by January 31, 2007. (Inspection Note 004-26)
- Adequate corrective actions for a June 27, 2006, incident where a tractor/truck backed over live 480-volt conductors located above ground in polyvinyl chloride (PVC) conduit were completed and a final occurrence report was submitted to DOE on November 2, 2006. (Inspection Note 004-27)
- During installation of the foot switch replacement on the Rebar Roller Machine, the following electrical deficiencies were identified:

- Article 430.102(A) requires an individual disconnecting means be provided for each controller that disconnects the controller. This disconnecting means shall be located in sight from the controller location.

The disconnecting means (MPC-002, circuit 16/18) installed for the rebar roller was not located within sight of the controller.

- Article 110.2 requires conductors and equipment required or permitted by the NEC to be acceptable only if approved. All electrical equipment is required to be approved as defined in Article 100.

The rebar shear had been previously inspected by TUV Product Services (a nationally recognized testing laboratory), but the Contractor had no record of the rebar roller being inspected and approved.

Failure to ensure the Rebar Roller and Shear Machine installations met NEC requirements, as discussed above, is considered a Finding against Section C.7(f) of the Contract (requirement to comply with National Electrical Code). These two construction power electrical NEC violations are minor in nature and were entered into BNI's corrective action program (PIER #24590-WTP-PIER-MGT-06-0588, Revision 0) and, therefore, corrective actions will be tracked as **Non-Cited Finding A-06-AMWTP-RPPWTP-004-N01**. (Inspection Note 004-29)

- BNI performed liquid penetrant testing on suspect Analytical Laboratory (LAB) vessel RLD-VSL-000164 nozzles in accordance with an approved testing procedure, and recommended on the applicable construction deficiency report, that identified indications be repaired in accordance with the American Society of Mechanical Engineering (ASME) Section VIII requirements. (Inspection Note 004-30)
- Fit-up and welding of a 0.5-inch stainless steel plate support to the inside of a 6-inch carbon steel pipe split encasement at a Balance of Facilities building was performed in accordance with design and Contract requirements. (Inspection Note 004-31)
- During review of LAW pipe and pipe support welding of the Radioactive Liquid Waste Drain System, weld documentation errors were identified for failure to properly identify weld locations on weld maps. Because these errors had only minor safety significance and was being addressed by BNI in a corrective action report (CAR), this issue is considered a Non-Cited Finding **A-06-AMWTP-RPPWTP-004-N05**. This item number will be used to track corrective actions taken by BNI to correct the errors. (Inspection Note 004-32)
- A Supplier Quality Oversight Program review found marked improvements in BNI's process for monitoring and accepting supplier materials and fabrication activities. (Inspection Note 004-33)
- During a design review of a single-line diagram for LAB electrical equipment, a concern was identified regarding conductor sizing. The conductors were sized using NEC Table 310-20 and required maintenance of cable tray free air spacing. However, a 2005 edition of the Underwriters Laboratory's *General Information for Electrical Equipment* stated they use NEC Table 310-16 when they size equipment cable terminations. Using Table 310-16, the conductors specified on the single-line diagram were undersized. BNI committed to take action to address this and any other single-line diagram undersized conductor issues. Follow-up actions to address this issue will be tracked as **Assessment Follow-up Item A-06-AMWTP-RPPWTP-004-A02**. (Inspection Note 004-35)
- With a few very minor exceptions being addressed by BNI, BNI Supplier Oversight of the procurement of the Standby Diesel Generator was acceptable, and fabrication and assembly work at Stewart & Stevenson Company, located in Houston Texas, was meeting established requirements. (Inspection Note 004-36)
- Paxton & Vierling Steel Company, a structural steel supplier located in Crater Lake, Iowa, had a minimally adequate quality program. However, a number of issues were identified indicating BNI engineering and quality assurance (QA) oversight need improvement.

One major concern was identified in which BNI, in the purchase order, exempted the supplier from requiring their sub-tier weld filler material supplier to have an acceptable Nuclear Quality Assurance (NQA)-1 program. Instead, the sub-supplier was only required to provide material testing information.

This was in direct conflict with the BNI's QAM, Policy Q-04.1, paragraph 3.2.6, which states: "The procurement documents shall require the supplier to incorporate the appropriate QA requirements in sub-tier procurement documents." The provision in note 16 of the purchase order allowed the supplier to bypass NQA-1 requirements to procure material from an NQA-1 sub-tier supplier. This provision did specify that material testing was required. However, it circumvented the supplier's normal NQA-1 program to either locate an acceptable NQA-1 weld filler material sub-tier supplier, or to commercial grade dedicate the sub-tier supplier's weld filler material typically using material testing by a qualified testing laboratory. The significance of the issue is small because the supplier specified a reasonable material testing program using an NQA-1 test laboratory in lieu of using an NQA-1 approved sub-tier supplier.

Note 11 of the purchase order technical specification also allowed the supplier to purchase steel from a domestic steel mill without the mill complying with NQA-1; only the laboratory that performed the analysis and test, and prepared the Material Test Report (MTR) for the structural steel needed to comply with NQA-1 requirements. In both cases, the actual procurement effort was similar to what would have been done, should the supplier have commercially dedicated the steel in accordance with NQA-1. BNI's Paxton and Vierling Steel technical specification was not in accordance with BNI's QAM, Policy Q-04.1, paragraph 3.2.6, in that the procurement documents did not require the supplier to incorporate the appropriate QA requirements in sub-tier procurement documents. This is considered a Finding against QAM Policy Q-04.1 (**Finding A-06-AMWTP-RPPWTP-004-F03**).

The supplier did not have a procedure that clearly specified lead auditor requirements. However, the supplier's contracted lead auditor was well qualified. Two weld specification procedures (WPS) were not correct for making skewed T welds; BNI issued a quality deficiency report (QDR) to document these issues. The supplier was not following their procedure when it came to initial review and approval of their Commercial Grade Dedication package for bulk material. No objective evidence was found the supplier performed an initial review and approval by engineering and QA as required by their procedure. This was a minor issue being addressed by BNI and the supplier.

A skewed T weld was found to have an undersized obtuse side weld and a drawing was found to have the wrong WPS specified for a weld. Also, some of the welders were qualified in accordance with American Welding Society (AWS) D1.5 (a more stringent bridge construction code) when AWS D1.1 was required. These issues were documented by BNI in a QDR.

Although the supplier had AWS D1.1-certified welding inspectors, BNI's engineer specification, 24590-WTP-3PS-SS00-T001, did not contain a certification requirement for visual weld inspectors. Also, the engineering specification allowed (as an option) the use of Nuclear Construction Issues Group (NCIG)-01 (Electrical Power Research Institute [EPRI] NP-5380, *Visual Weld Acceptance Criteria*) as acceptance criteria for visual weld inspections when AWS D1.1 would have been a more appropriate and conservative standard to use. The supplier stated they were using AWS D1.1 as the acceptance criteria for visual inspection of welds.

During supplier quality surveys and audits, the BNI auditors should have identified the quality issues described above, particularly the training and certification requirements for lead auditors and visual weld inspectors, and the lack of an adequate NQA-1 weld filler material sub-tier supplier requirement. Failure to adequately oversee this supplier's activities appears to have only minor consequences and is being tracked by BNI via open items and QDRs. Therefore, these issues are collectively considered a Non-Cited Finding. Follow-up verifications of corrective actions to address the issues identified above will be tracked as Non-Cited Finding **A-06-AMWTP-RPPWTP-004-N04**. (Inspection Note 004-37)

- Welding activities associated with installing 1 1/2" schedule 40 stainless steel pipe to 4 x 1 1/2" weldolets on LAB RLD piping was acceptable. (Inspection Note 004-38)
- BNI installed LAW Power Distribution Racks (PDR)-037 and PDR-038 in accordance with the 2002 NEC. (Inspection Note 004-41)
- BNI performed tension control bolt assembly testing on A490 high strength bolts (1 1/2 inch diameter) in accordance with engineering specifications and the American Institute of Steel Construction (AISC) code requirements. (Inspection Note 004-42)
- BNI adequately closed Occurrence Report EM-RP-BNRP-RPPWTP-2006-0023, *JLG Hits and Breaks Off Air Nozzle from Construction Air Manifold*. Corrective actions were completed and should prevent recurrence of this event. (Inspection Note 004-43)
- BNI adequately closed Occurrence Report EM-RP-BNRP-RPPWTP-2006-0022, *Near Miss While filling a Vac Truck From a Fire Hydrant at WTP*. Corrective actions were completed and should prevent recurrence of this event. (Inspection Note 004-44)
- BNI adequately closed Occurrence Report EM-RP-BNRP-RPPWTP-2006-0024, *Subcontractor Employee Slip Results in Contused/Fractured Rib*. Corrective actions were completed and should prevent recurrence of this event. (Inspection Note 004-45)

List of Assessment Items Opened, Closed, and Discussed:

Opened

A-06-AMWTP-RPPWTP-004-N01	Non-Cited Finding	Electrical NEC issues regarding the Rebar Roller and Shear Machine installations. (Inspection Note 004-29)
A-06-AMWTP-RPPWTP-004-A02	Assessment Follow-up	Follow-up on Contractor actions to address electrical conductor sizing issues (Table-310-16 vs. 310-20.) (Inspection Note 004-35)

A-06-AMWTP-RPPWTP-004-F03	Finding	BNI purchase order did not require the supplier to purchase weld filler material from an NQA-1 sub-tier supplier. (Inspection Note 004-37)
A-06-AMWTP-RPPWTP-004-N04	Non-Cited Finding	BNI did not adequately oversee the quality programs at Paxton & Vierling Steel Company. (Inspection Note 004-37)
A-06-AMWTP-RPPWTP-004-N05	Non-Cited Finding	Failure to properly document weld location on the weld maps attached to FWCLs. (Inspection Note 004-32)
A-06-AMWTP-RPPWTP-004-A06	Assessment Follow-up Item	Follow-up on Contractor actions to address JHA process weaknesses. (Inspection Note 004-14)

Closed

A-05-AMWTP-RPPWTP-002-A10	Assessment Follow-up Item	Follow-up on Contractor actions to address fireproofing building transformer electrical issues. (Inspection Note 004-04)
A-05-AMWTP-RPPWTP-004-F04	Finding	Follow-up on Contractor actions to address Wagstaff, Inc., Eaton Metal Products, and Diamond B Constructor Supplier issues and overall performance issues associated with the BNI Supplier Oversight Program. (Inspection Note 004-33)
A-05-AMWTP-RPPWTP-004-F05	Finding	Contrary to QAM Policy Q-16.1, Section 3.6.2, BNI Failed to document IS&H issues in the CAR system (Inspection Note 004-16)
A-06-AMWTP-RPPWTP-001-F10	Finding	Follow-up on Contractor actions to address a failure to properly fit-up piping to nozzle 13 of an RLD vessel. (Inspection Note 004-39)
A-06-AMWTP-RPPWTP-001-F12	Finding	Follow-up on Contractor actions to address a failure of the S.A. Robotics' Material Acceptance Plan to call out electrical inspections attributes. (Inspection Note 004-33)

A-06-AMWTP-RPPWTP-001-F13	Finding	Follow-up on Contractor actions to address five oversight weaknesses at suppliers S.A. Robotics and IONEX. (Inspection Note 004-33)
A-06-AMWTP-RPPWTP-002-A05	Assessment Follow-up Item	Follow-up on Contractor actions to address a prequalified welding procedure specification issue regarding using material Society of Automotive Engineers (SAE) 1026 for rail clip installations. (Inspection Note 003-61)
A-06-AMWTP-RPPWTP-003-F04	Finding	Follow-up on Contractor actions to address a failure to ensure procured LAW glovebox electrical equipment meets NEC and specification requirements. (Inspection Note 004-40)
A-06-AMWTP-RPPWTP-003-A07	Assessment Follow-up Item	Follow-up on BNI's actions to address Cooling Tower Building wire color coding issues. (Inspection Note 004-15)
A-06-AMWTP-RPPWTP-003-F09	Finding	Follow-up on Contractor actions to address issues (a, b, & c) regarding procedure qualification records (PQR) and a WPS not adequately specifying essential and non-essential variables, and a welder not being qualified in accordance with the welding control manual requirements. (Inspection Note 004-24)
A-06-AMWTP-RPPWTP-003-A11	Assessment Follow-up Item	Electrical grounding NEC violation; Intermech connexes not grounded locally. Entered as an AFI for tracking. (Inspection Note 004-09)

List of Inspection Notes Issued During the Assessment Period:

<u>Inspection Note Number</u>	<u>Inspection Subject</u>
A-06-AMWTP-RPPWTP-004-01	Electrical inspection of BOF temporary power.
A-06-AMWTP-RPPWTP-004-02	Electrical inspection of LAW temporary power.
A-06-AMWTP-RPPWTP-004-03	Electrical inspection of BOF temporary power.
A-06-AMWTP-RPPWTP-004-04	Closure of A-05-AMWTP-RPPWTP-002-A01.
A-06-AMWTP-RPPWTP-004-05	LAW HVAC Support installation inspection.
A-06-AMWTP-RPPWTP-004-06	Hydrostatic testing of BOF piping in October.
A-06-AMWTP-RPPWTP-004-07	Review of BNI Performance Improvements.
A-06-AMWTP-RPPWTP-004-08	Electrical inspection of Grout Storage Area.
A-06-AMWTP-RPPWTP-004-09	Closure of A-06-AMWTP-RPPWTP-003-A11.
A-06-AMWTP-RPPWTP-004-10	LAW structural steel for HVAC stack support.
A-06-AMWTP-RPPWTP-004-11	LAW pipe and pipe support installation.
A-06-AMWTP-RPPWTP-004-12	LAW HVAC support welding.
A-06-AMWTP-RPPWTP-004-13	Hydrostatic testing of BOF piping.
A-06-AMWTP-RPPWTP-004-14	Review of Hazards Identification and Analyses.
A-06-AMWTP-RPPWTP-004-15	Closure of A-06-AMWTP-RPPWTP-003-A07.
A-06-AMWTP-RPPWTP-004-16	Corrective Action Reporting program review.
A-06-AMWTP-RPPWTP-004-17	BOF concrete placement inspection.
A-06-AMWTP-RPPWTP-004-18	LAW stack setting inspection.
A-06-AMWTP-RPPWTP-004-19	Fall protection beam clamp incident.
A-06-AMWTP-RPPWTP-004-20	Cold weather concrete program review.
A-06-AMWTP-RPPWTP-004-21	LAW compressed air hose fitting failure.
A-06-AMWTP-RPPWTP-004-22	Fall prevention and protection program review.
A-06-AMWTP-RPPWTP-004-23	LAW air supply ducting insulation review.
A-06-AMWTP-RPPWTP-004-24	Closure A-06-AMWTP-RPPWTP-003-F09a, b, c.
A-06-AMWTP-RPPWTP-004-25	OSHA bloodborne pathogen program review.
A-06-AMWTP-RPPWTP-004-26	HLW scissor lift event- 240-Volt line was cut.
A-06-AMWTP-RPPWTP-004-27	Tractor/truck incident-ran over live 480-Volt line.
A-06-AMWTP-RPPWTP-004-28	Hydrostatic testing of BOF piping in November.
A-06-AMWTP-RPPWTP-004-29	Electrical temporary equipment power Rebar Area.
A-06-AMWTP-RPPWTP-004-30	LAB pipe installation inspection.
A-06-AMWTP-RPPWTP-004-31	BOF pipe to stainless steel plate support inspection.
A-06-AMWTP-RPPWTP-004-32	LAW pipe installation inspection.
A-06-AMWTP-RPPWTP-004-33	Supplier Quality Program review.
A-06-AMWTP-RPPWTP-004-34	Hydrostatic testing of BOF piping in December.
A-06-AMWTP-RPPWTP-004-35	LAB permanent electrical drawing inspection.
A-06-AMWTP-RPPWTP-004-36	Supplier inspection-Stewart and Stevenson Co.
A-06-AMWTP-RPPWTP-004-37	Supplier inspection-Paxton and Vierling Steel Co.
A-06-AMWTP-RPPWTP-004-38	LAB pipe weld inspection.
A-06-AMWTP-RPPWTP-004-39	Closure of A-06-AMWTP-RPPWTP-001-F10.
A-06-AMWTP-RPPWTP-004-40	Closure of A-06-AMWTP-RPPWTP-003-F04.
A-06-AMWTP-RPPWTP-004-41	Electrical inspection of LAW temporary power.
A-06-AMWTP-RPPWTP-004-42	LAB structural steel bolt tensioning testing.
A-06-AMWTP-RPPWTP-004-43	Review of occurrence report 2006-0023.

A-06-AMWTP-RPPWTP-004-44
A-06-AMWTP-RPPWTP-004-45

Review of occurrence report 2006-0022.
Review of occurrence report 2006-0024.