



**U.S. Department of Energy**  
**Office of River Protection**

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

**JUL 13 2006**

06-WTP-086

Mr. W. S. Elkins, Project Director  
Bechtel National, Inc.  
2435 Stevens Center Place  
Richland, Washington 99354

Dear Mr. Elkins:

CONTRACT NO. DE-AC27-01RV14136 – INSPECTION REPORT A-06-AMWTP-RPPWTP-002 – ON-LOCATION INSPECTION REPORT FOR THE PERIOD APRIL 1, 2006, THROUGH JUNE 30, 2006

This letter forwards the results of the U.S. Department of Energy, Office of River Protection (ORP) review of Bechtel National, Inc. (BNI) construction performance of the Waste Treatment and Immobilization Plant for the period April 1, 2006, through June 30, 2006. We identified eight Findings during this assessment period and as long as they are being tracked to closure and/or being trended in BNI's Corrective Action Management system, no formal response to the Findings are required.

Although the welding program continues to improve, a number of welding issues were identified this period indicating management attention is still warranted. For example, an active welding package did not contain the required valve installation instructions; some weld rod used in the field contained incorrect markings; a supplier's welder qualifications did not contain the required BNI documented approval; and welding was going to be performed on Low Activity Waste rail clips using a prequalified weld specification procedure when the material was not listed for the procedure being specified.

Electrical work associated with control of hazardous energy and concrete placement performance were good.

This letter is not considered to constitute a change to the Contract. In the event the Contractor 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.

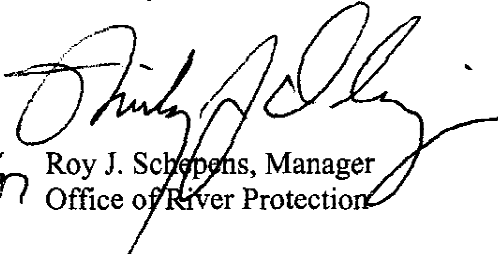
Mr. C. M. Albert  
06-WTP-086

-2-

**JUL 13 2006**

If you have any questions, please contact me, or your staff may call John R. Eschenberg, Project Manager, Waste Treatment and Immobilization Plant Project, (509) 376-3681.

Sincerely,

  
for Roy J. Schepens, Manager  
Office of River Protection

OCT:JWM

Enclosure: On-Location Inspection Report

cc w/encl:  
D. Kammenzind, BNI  
G. Shell, BNI  
BNI Correspondence

Enclosure  
06-WTP-086  
A-06-AMWTP-RPPWTP-002

U.S. DEPARTMENT OF ENERGY  
Office of River Protection

INSPECTION: On-location Inspection Report for the Period April 1, 2006, through June 30, 2006

REPORT NO.: A-06-AMWTP-RPPWTP-002

FACILITY: Bechtel National, Inc. (BNI)

LOCATION: 2435 Stevens Center  
Richland, Washington 99352

DATES: April 1, 2006, through June 30, 2006

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

APPROVED BY: M. Thomas, Operations and Commissioning Team Leader  
Waste Treatment and Immobilization Plant Project

## INSPECTION REPORT

### Introduction

During the period April 1, 2006, through June 30, 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 62 inspections of various construction activities summarized below. A summary listing of the inspection notes is included in back of this report. Copies of the inspection notes are available upon request.

### Significant Observations and Conclusions

- Welding activities observed during the installation of the 4" radioactive liquid disposal system (RLD) piping had been performed and documented to approved engineering drawings and procedures. (Inspection Note 002-001)
- Pneumatic and hydrostatic shop and field testing of installed (or to be installed) piping was conducted in accordance with site procedures and specifications, and code requirements. Piping was installed in accordance with design and specification requirements. (Inspection Notes 002-02, 002-12, 002-31, 002-49, 002-50, and 002-52)
- The Contractor's investigation and corrective actions to address a golf cart accident was acceptable. (Inspection Note 002-03)
- The fitters' Connex Box had been modified from the original 240-volt feed with a 120-volt feed but still had a 240 volt load connected and energized. This modification had not been inspected by the BNI code inspector. The Contractor took appropriate actions to address this issue. (Inspection Note 002-04)
- The following temporary power installation Findings were identified. Examples included:
  - (1) Incorrect sized disconnects installed for equipment grounding conductors (DS-1 through DS-6) on the temporary power distribution board to the Clayton Coatings Office Trailers.
  - (2) A grounding electrode conductor for the temporary power distribution board to the Clayton Coatings Office Trailer was not installed as required.
  - (3) Bonding jumpers for the temporary power distribution board to the Clayton Coatings Office Trailer were the wrong size.
  - (4) A grounding terminal bar for the temporary power distribution board to the Clayton Coatings Office Trailer was installed using sheet metal screws (not allowed by National Electric Code [NEC]).

Note: The items listed above were corrected prior to the end of the inspection period. The items were also identified for trending purposes as assessment follow-up item (AFI) **A-06-AMWTP-RPPWTP-002-A01** and was both opened and closed in this inspection report. (Inspection Notes 002-05)

- Fit-up for field weld FS001 on 1" Instrument Service Air line to valve ISA-V-00801 at the LAW building was performed to specified requirements. (Inspection Note 002-07)
- BNI had installed forms, reinforcement, and embed steel (FRE), and/or batched, placed, consolidated, tested, and monitored concrete in accordance with engineering specifications and the Safety Requirements Document (SRD). (Inspection Notes 002-06, 002-53, 002-54, 002-56, 002-57, and 002-61)
- BNI was performing the non-destructive examination (NDE) inspection welder allotment program in an acceptable manner. Based on a concern regarding performing NDE on replaced welds that were defective, the Contractor revised its Weld Control Manual to require replaced welds (welds rejected during examinations performed under the 5% NDE sampling requirement) to be 100% volumetrically examined. (Inspection Note 002-09)
- Electrical work in progress on the fire alarm system in Water Treatment Building 86 was being performed in accordance with code and procedural requirements. (Inspection Note 002-10)
- Overall, BNI's Hazardous Waste and Hazard Communication (Hazmat/Hazcom) program effectiveness and implementation were satisfactory. A few instances of program control deviations were identified, but they appeared to be anomalies (based on the numerous instances where correct program implementation was observed) and BNI took prompt effective action to correct the issues. (Inspection Note 002-11)
- BNI and its subcontractor were adequately performing their radiography duties, including monitoring and posting the radiation boundaries while conducting two radiography examinations of pipe welds at the Pretreatment Facility (PTF) and the Analytical Laboratory (LAB). (Inspection Note 002-13)
- BNI installed Low Activity Waste (LAW) valves (ISA-V-09125 and V-09408) to two 1" Instrument Service Air lines in accordance with requirements. (Inspection Note 002-14)
- Welding activities at the -13' elevation in the north tunnel of the Pretreatment Facility (PTF) for High Level Waste (HLW) Lag Storage and Feed Blending Process System (HLP) stainless steel piping for a future LAW Facility were performed and documented to approved engineering drawings and procedures and code requirements. (Inspection Note 002-15)
- Construction Utilities Group Control of Hazardous Energy Work Package CUG-06-0041 issued to perform electrical warranty work at the Cooling Tower was performed in

accordance with the lockout/tagout procedure and met NFPA 70E safety requirements.  
(Inspection Note 002-20)

- BNI actions to remove 3 gang boards from the piping module slabs, including de-energizing the load side of Substation 6 (13.8 kV), demonstrated a good safety culture. Appropriate rigor was observed in the installation of the Lock and Tag. This activity was well planned and conducted. (Inspection Note 002-22)
- BNI had adequately closed Occurrence Report EM-RP--BNRP-RPPWTP-2006-001. Corrective actions were completed and the corrective actions appeared to be adequate to prevent recurrence of this event. (Inspection Note 002-23)
- Civil testing of backfill material was performed in accordance with WTP and American Society for Testing and Materials (ASTM) specifications and Quality Inspection Services Inc. (QISI) procedures. (Inspection Note 002-24)
- Electrical testing performed at the Cooling Tower by an Independent Acceptance Testing Service (Emerson Electrical Reliability Services) assisted by the subcontractor was in accordance with engineering specifications and International Electrical Testing Association (NETA) testing requirements. (Inspection Note 002-25)
- During or following electrical modifications, using the Temporary Electrical Installation Request (TIER) Process, BNI was not maintaining configuration management of temporary buildings (Administrative Building 51 and the Combo Shop Building 56) which have been converted to permanent structures. BNI stated they would address this oversight. Follow-up to verify adequate actions are taken to maintain configuration management of temporary buildings will be tracked as assessment follow-up item (AFI) **A-06-AMWTP-RPPWTP-002-A10**. (Inspection Note 002-26)
- In preparation for installing a 480 volt pigtail to General Distribution Rack GDR-034, disconnect DS-3, the Arc Flash Calculation Summary Sheet listed the Hazard Risk Category as "0" when it should have been "1". BNI revised the Summary Sheet to change the Category to "1". This minor Finding was identified for trending purposes as assessment follow-up item **A-06-AMWTP-RPPWTP-002-A02** and both opened and closed in this inspection report. (Inspection Note 002-27)
- BNI installed a ¾" sockolet fitting to 6" NLD Tank 00001 in accordance with engineering and code requirements. (Inspection Note 002-28)
- BNI installed a 480 volt, 20-amp circuit added in Combo Shop Panelboard H1 using informal sketches. These as-built sketches were not controlled nor did they reference the supplier's submitted drawing. This issue was similar to the issue raised in Inspection Note 002-26 and will be tracked to resolution by the item identified in that Inspection Note (AFI **A-06-AMWTP-RPPWTP-002-A10**). (Inspection Note 002-29)

Enclosure  
06-WTP-086  
A-06-AMWTP-RPPWTP-002

- Welding of piping to a valve on the NLD in WTP balance of facilities was generally acceptable; however, the weld card noted a requirement for the welder to have a copy of the valve manufacturer's instructions available during installation. The instruction could not be found upon request. The Contactor subsequently added a copy of the instructions to the work package. The instructions are to assure the valve is in the opened position and not damaged during the welding process. AFI **A-06-AMWTP-RPPWTP-002-A03** was both opened and closed in this report to document this installation Finding for future trending. (Inspection Note 002-30)
- Grout mixing/placement of pump bases PCW-PMP-00013A and PCW-PMP-00013B, Plant Cooling Water System, located at the -21' of the LAW Facility were performed in accordance with appropriate procedure. (Inspection Note 002-32)
- A weld fit-up inspection on a 2" Treated LAW Concentrate Storage Process line to a weld-outlet in the north tunnel of the PTF building was performed using the correct filler metal and a qualified welder. However, the filler metal used had the wrong material marking. After bringing this to the Contractor's attention, the Contractor issued Corrective Action Report 24590-WTP-CAR-QA-06-187 to document a marking error on ER309 weld rod. The rod was marked as ER309 but should have been marked with ER309 and ER309L. AFI **A-06-AMWTP-RPPWTP-002-A04** was both opened and closed in this report to document this weld rod control Finding for future trending. (Inspection Note 002-33)
- The process for performing preservation and maintenance of equipment was considered acceptable based on its current level of maturity, although two significant weaknesses were identified. The first weakness involved the inadequacy of maintenance record content and completion, and the second involved personnel not being trained to the current implementing procedure. The issues identified were discussed with the Maintenance Manager and BNI stated they would take action to correct these weaknesses. BNI's action to address these weaknesses will be tracked as AFI **A-06-AMWTP-RPPWTP-002-A06**. (Inspection Note 002-34)
- Structural steel, roofing, and siding installations at the Chiller/Compressor Plant (Building 82), were generally acceptable. The sub-contractor had installed and tightened structural steel members per the *American Institute of Steel Construction* (AISC) requirements and installed insulation acceptable in accordance with specified requirements. However, welders who had performed welding at Building 82 had been certified by another contractor. The inspector found the Engineer of Record (BNI), had not formally approved the use of the previous welding certifications. This requirement is from *American Welding Society* (AWS)-2000, Section 4, Qualifications, and Paragraph 4.1.2.1, which states; "*Previous Performance Qualifications*, Properly documented evidence of previous performance qualification of welders, welding operators, and tack welders may be accepted with the Engineer's approval." For future trending, AFI **A-06-AMWTP-RPPWTP-002-A08** is both open and closed in this inspection report to document the formal welder qualification acceptance oversight by the Contractor. (Inspection Note 002-36)

Enclosure  
06-WTP-086  
A-06-AMWTP-RPPWTP-002

- BNI identified Leak Detection Boxes were not fabricated in accordance with the engineering specification required American Society of Mechanical Engineers (ASME) B31.3 requirements, but rather the supplier used ASME Section VIII requirements. Some welding on the boxes included partial penetration welds. ASME Section VIII allowed for partial penetration welds where as B31.3 did not allow for partial penetration welds. Other than BNI approving the supplier's fabrication drawings which specified the use of ASME Section VIII requirements, the purchase orders did not change the design code for the Leak Detection Boxes from the original specification. The Contractor identified and was assessing these LDB deficiencies in Construction Deficiency Reports 24590-WTP-CDR-CON-06-0069 and 24590-WTP-CDR-CON-06-0074. (Inspection Note 002-37)
- A welder was just about to weld a LAW Rail Clip for the Bogie Rails to an embed plate using a prequalified weld procedure specification (WPS); however, the material to be welded was SAE 1026. This material was not listed in Table 3.1 of the American Welding Society (AWS) D1.1 as acceptable material for the prequalified welding procedure to be used. AWS D1.1, Paragraph 3.3, states; "Only base metals and filler metals listed in Table 3.1 may be used in prequalified WPS's". After being informed of this issue, BNI placed the field weld checklist on hold until the material was approved by Engineering as equal to materials listed in Table 3.1 or until BNI qualified a new WPS with this material. BNI also issued Corrective Action Report 24590-WTP-CAR-QA-06-185. BNI's action to address this issue will be tracked as assessment follow-up item (A-06-AMWTP-RPPWTP-002-A05). (Inspection Note 002-38)
- Based on a sample review of four radiographs associated with Laboratory clamshell drain lines, BNI's acceptance of radiographs was acceptable. (Inspection Note 002-39)
- Fit-up of a 2" Waste Feed Evaporation Process line to a weld-o-let was performed in accordance with engineering specifications and design requirements. (Inspection Note 002-40)
- Leak test on the C2 ductwork and inline components at the +3 foot elevation in the Low Activity Waste (LAW) facility verified the workmanship of the ductwork and conformed to contract documents and applicable codes. (Inspection Note 002-41)
- During a review of a Preliminary Finding Report provided by Underwriters Laboratories Inc. (UL) on LAB air handler units, three potential NEC code issues were identified and discussed with BNI. BNI's action to address these issues will be tracked as AFI A-06-AMWTP-RPPWTP-002-A07. (Inspection Note 002-42)
- Upending and setting of the LAW Facility lower stack structural steel framing section was performed in a safe manner in accordance with the applicable requirements. (Inspection Note 002-43)



Enclosure  
06-WTP-086  
A-06-AMWTP-RPPWTP-002

- The investigation and corrective actions performed/taken by BNI to address the April lockout/tagout (LOTO) event regarding performing service on an office trailer HVAC unit without performing a LOTO were adequate. (Inspection Note 002-44)
- Fit-up of a 6" Flat Face Slip-on Flange to 6" Nonradioactive Liquid Disposal System (NLD) piping (field weld FW-01) was acceptable and the work package contained the current revision of the piping isometric. (Inspection Note 002-46)
- The WTP Emergency Preparedness program was found acceptable. Program implementation procedures, however, were not being administratively maintained in a timely manner per project requirements or to reflect changes in personnel responsibilities or site conditions. Nevertheless, BNI used alternate methods to keep site personnel aware of changing Emergency Preparedness conditions. The issues described above were discussed with BNI's Emergency Management Team and they stated they would address these issues during an ongoing program upgrade. Follow-up of this program upgrade to ensure the identified issues were adequately addressed will be tracked as AFI **A-06-AMWTP-RPPWTP-002-A09**. (Inspection Note 02-47)
- Fit-up on 1" Radioactive Liquid Drain line from spool LAW-RLD-ZR04269003-D to spool LAW-RLD-ZR04078003-B at the LAW building was performed in accordance with welding and design requirements. (Inspection Note 002-48)
- Backfill and compaction activities for the *Glass Former Storage Building* were performed in accordance with the appropriate construction excavation and backfill procedures. (Inspection Note 002-51)
- The roofing sub-contractor was installing the roofing materials at the LAW Facility in accordance with approved drawing submittals. (Inspection Note 002-55)
- An offsite assessment of American Crane & Equipment Corporation's (ASECO), (Supplier – Purchase Order – 24590-QL-MRA-MJKG-00002) High Integrity Crane fabrication work at their Douglassville Pennsylvania fabrication shop, was performed to assess the Supplier's quality, welding, and fabrication programs and to evaluate BNI's oversight of this Supplier. The Supplier was hired by BNI to produce several cranes for use at the Waste Treatment and Immobilization Plant Project (WTP). The Supplier was determined to have acceptable welding and quality programs to fabricate and assemble crane components. A minor issue was identified regarding the manner in which a nonconformance report (NCR) was dispositioned use-as-is and the lack of BNI's concurrence of the NCR disposition. This issue was communicated to the Supplier by BNI in a Quality Deficiency Report. BNI Supplier Quality Representative (SQR) oversight was adequate for the work being performed. BNI's use of a special inspection performed by a subject matter expert was a good practice and resulted in the identification of a number of good comments, particularly in the electrical area. (Inspection Note 002-58)

Enclosure  
06-WTP-086  
A-06-AMWTP-RPPWTP-002

- An offsite assessment of Still-Walter Tool & Manufacturing Company's PUREX and Hanford nozzle fabrication work at their Orangeburg, South Carolina fabrication shop, was performed to assess the Supplier's quality, welding, and fabrication programs and to evaluate BNI's oversight of this Supplier. The Supplier was hired by BNI to produce nozzles for use at the Waste Treatment and Immobilization Plant Project (WTP). The Supplier was determined to have acceptable welding and quality programs to fabricate and assemble nozzles. (Inspection Note 002-59)
- BNI adequately investigated and implemented corrective actions to address an accident involving the demolition of a steel (rebar) reinforced concrete slab located between the PTF and the HLW when a piece of rebar (5/8" x approximately 30") was kicked up and struck one of the laborers on the left arm. (Inspection Note 002-60)
- Leak testing on the LAW C5 exhaust ductwork and inline components verified the workmanship of the ductwork and conformed to contract documents and applicable codes. (Inspection Note 002-62)

## List of Assessment Items Opened, Closed, and Discussed:

**Opened**

A-06-AMWTP-RPPWTP-002-A01	Assessment Follow-up Item	Assigned this Item to trend 4 electrical Findings associated with a distribution board located SE of the combo shop. (Inspection Note 002-05.)
A-06-AMWTP-RPPWTP-002-A02	Assessment Follow-up Item	Assigned this Item to trend an electrical Finding regarding the inappropriate Arc Flash Calculation – Category 0 vs. Category 1. (Inspection Note 002-27.)
A-06-AMWTP-RPPWTP-002-A03	Assessment Follow-up Item	Assigned this Item to trend a welding Finding regarding the failure to have a copy of a valve installation instructions during welding of the valve to piping (required on the weld card). (Inspection Note 002-30.)
A-06-AMWTP-RPPWTP-002-A04	Assessment Follow-up Item	Assigned this Item to trend a weld rod control Finding regarding the failure to ensure proper markings on weld rod issued to the field and used for welding. (Inspection Note 002-33.)
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 SAE 1026 for rail clip installations. (Inspection Note 002-38.)
A-06-AMWTP-RPPWTP-002-A06	Assessment Follow-up Item	Follow-up on Contractor actions to address preservation and maintenance program weaknesses regarding record content and worker training. (Inspection Note 002-34.)
A-06-AMWTP-RPPWTP-002-A07	Assessment Follow-up Item	Follow-up on Contractor actions to address potential NEC code issues identified from a review of a UL Preliminary Findings Report for LAB air handler units. (Inspection Note 002-42.)

Enclosure  
06-WTP-086  
A-06-AMWTP-RPPWTP-002

- |                           |                                 |   |
|---------------------------|---------------------------------|---|
| A-06-AMWTP-RPPWTP-002-A08 | Assessment<br>Follow-up<br>Item | Assigned this Item to trend a Finding regarding failure of a sub-contractor to obtain the BNI Engineer's approval to certify a previously qualified welder. (Inspection Note 002-36.)   |
| A-06-AMWTP-RPPWTP-002-A09 | Assessment<br>Follow-up<br>Item | Follow-up on Contractor actions to upgrade its emergency preparedness program to address identified issues. (Inspection Note 002-47.)   |
| A-06-AMWTP-RPPWTP-002-A10 | Assessment<br>Follow-up<br>Item | Follow-up on Contractor actions to address the program to maintain configuration management of supplier design drawings of temporary facilities. (Inspection Note 002-26.)  |
| <br><b><u>Closed</u></b>  |                                 |   |
| A-04-AMWTP-RPPWTP-004-A04 | Assessment<br>Follow-up<br>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 002-35.) |
| A-04-AMWTP-RPPWTP-004-A08 | Assessment<br>Follow-up<br>Item | Follow-up on Contractor actions to address Clayton Office Trailer electrical deficiency. (Inspection Note 002-05.)  |
| A-05-AMWTP-RPPWTP-001-A05 | Assessment<br>Follow-up<br>Item | Follow-up on Contractor actions to address 15 electrical issues regarding the Fuel Oil Pump House Building 81 and Fire Water Pump House Buildings 84A & 84B and subcontractor electrical oversight issues. (Inspection Note 002-16.)        |
| A-05-AMWTP-RPPWTP-002-A07 | Assessment<br>Follow-up<br>Item | Follow-up on Contractor actions to address Dangerous Waste Permit Requirements including the PT 56-21 drain pipe slope issue. (Inspection Note 002-08.)   |

Enclosure  
06-WTP-086  
A-06-AMWTP-RPPWTP-002

A-05-AMWTP-RPPWTP-002-A15	Assessment Follow-up Item	Follow-up on Contractor actions to address lack of rigor in implementation of the site lockout/tagout program. (Inspection Note 002-19.)
A-05-AMWTP-RPPWTP-003-F05	Finding	Failure of the Contractor to perform and/or document in-process inspections of clamshell piping per ASME B 31.3. (Inspection Note 002-45.)
A-05-AMWTP-RPPWTP-004-A02	Assessment Follow-up Item	Follow-up on Contractor actions to address failure to document safety surveillance activities and track open safety issues. (Inspection Note 002-17.)
A-06-AMWTP-RPPWTP-001-A04	Assessment Follow-up Item	Follow-up on Contractor actions to address UL listing issues with three General Electric Combination Motor Controllers. (Inspection Note 002-18.)
A-06-AMWTP-RPPWTP-002-A01	Assessment Follow-up Item	Assigned this Item to trend 4 electrical Findings associated with a distribution board located SE of the combo shop. (Inspection Note 002-05.)
A-06-AMWTP-RPPWTP-002-A02	Assessment Follow-up Item	Assigned this Item to trend an electrical Finding regarding the inappropriate Arc Flash Calculation – Category 0 vs. Category 1. (Inspection Note 002-27.)
A-06-AMWTP-RPPWTP-002-A03	Assessment Follow-up Item	Assigned this Item to trend a welding Finding regarding the failure to have a copy of a valve installation instructions during welding of the valve to piping (required on the weld card). (Inspection Note 002-30.)
A-06-AMWTP-RPPWTP-002-A04	Assessment Follow-up Item	Assigned this Item to trend a weld rod control Finding regarding the failure to ensure proper markings on weld rod issued to the field and used for welding. (Inspection Note 002-33.)
A-06-AMWTP-RPPWTP-002-A08	Assessment Follow-up Item	Assigned this Item to trend a Finding regarding failure of a sub-contractor to obtain the BNI Engineer's approval to certify a previously qualified welder. (Inspection Note 002-36.)

**Partial Closure**

A-05-AMWTP-RPPWTP-002-A10 Assessment Follow-up on Contractor actions to address  
Follow-up fireproofing building transformer electrical  
Item issues. (Inspection Note 002-21.)

## List of Inspection Notes Issued During the Assessment Period:

<u>Inspection Note Number</u>	<u>Inspection Subject</u>
A-06-AMWTP-RPPWTP-002-01	Welding of the 4" RLD piping.
A-06-AMWTP-RPPWTP-002-02	Pressure testing BOF systems-April 2006.
A-06-AMWTP-RPPWTP-002-03	March 21, 2006 Golf Cart Accident Review.
A-06-AMWTP-RPPWTP-002-04	Electrical Modification to CCB Building 82.
A-06-AMWTP-RPPWTP-002-05	Electrical Inspection of Clayton building power.
A-06-AMWTP-RPPWTP-002-06	Concrete placement - LAB.
A-06-AMWTP-RPPWTP-002-07	Welding - fit-up inspection - LAW.
A-06-AMWTP-RPPWTP-002-08	Closeout of A-05-AMWTP-RPPWTP-002-A07.
A-06-AMWTP-RPPWTP-002-09	Weld Program – weld allotment examination.
A-06-AMWTP-RPPWTP-002-10	Fire alarm system installation – BOF Building 86.
A-06-AMWTP-RPPWTP-002-11	Hazmat/Hazcom program review.
A-06-AMWTP-RPPWTP-002-12	Pressure testing of LAB piping.
A-06-AMWTP-RPPWTP-002-13	Radiography safety review - LAB.
A-06-AMWTP-RPPWTP-002-14	Welding - fit-up inspection - LAW.
A-06-AMWTP-RPPWTP-002-15	Welding – fit-up/final – PTF north tunnel.
A-06-AMWTP-RPPWTP-002-16	Closeout A-05-AMWTP-RPPWTP-001-A05.
A-06-AMWTP-RPPWTP-002-17	Closeout A-05-AMWTP-RPPWTP-004-A02.
A-06-AMWTP-RPPWTP-002-18	Closeout A-06-AMWTP-RPPWTP-001-A04.
A-06-AMWTP-RPPWTP-002-19	Closeout A-05-AMWTP-RPPWTP-002-A15.
A-06-AMWTP-RPPWTP-002-20	Electrical Inspection Cooling Tower buss work.
A-06-AMWTP-RPPWTP-002-21	Electrical – Clayton Building manhole grounding.
A-06-AMWTP-RPPWTP-002-22	LOTO usage at Substation 6.
A-06-AMWTP-RPPWTP-002-23	Close occurrence report 2006-001.
A-06-AMWTP-RPPWTP-002-24	QISI backfill material testing inspection.
A-06-AMWTP-RPPWTP-002-25	Electrical - Cooling Tower megger testing.
A-06-AMWTP-RPPWTP-002-26	Electrical – modifications to temporary buildings.
A-06-AMWTP-RPPWTP-002-27	Electrical – 480v pigtail addition.
A-06-AMWTP-RPPWTP-002-28	Welding – fit-up inspection BOF piping.
A-06-AMWTP-RPPWTP-002-29	Electrical – Combo shop modifications.
A-06-AMWTP-RPPWTP-002-30	Welding – fit-up inspection - BOF.
A-06-AMWTP-RPPWTP-002-31	Pressure testing - LAB.
A-06-AMWTP-RPPWTP-002-32	Grout mixing/placing - LAW.
A-06-AMWTP-RPPWTP-002-33	Welding – fit-up - PTF.
A-06-AMWTP-RPPWTP-002-34	Equipment preservation and maintenance.
A-06-AMWTP-RPPWTP-002-35	Closeout A-04-AMWTP-RPPWTP-004-A04.

Enclosure  
06-WTP-086  
A-06-AMWTP-RPPWTP-002

A-06-AMWTP-RPPWTP-002-36	Roofing/siding installation, building 82.
A-06-AMWTP-RPPWTP-002-37	Welding – leak detection boxes.
A-06-AMWTP-RPPWTP-002-38	Welding – LAW rail clips.
A-06-AMWTP-RPPWTP-002-39	Welding – clamshell welds LAB.
A-06-AMWTP-RPPWTP-002-40	Welding – fit-up inspection PTF.
A-06-AMWTP-RPPWTP-002-41	C2 ductwork leak testing - LAW.
A-06-AMWTP-RPPWTP-002-42	Electrical – LAB air handling unit UL report.
A-06-AMWTP-RPPWTP-002-43	Rigging – upend and set LAW stack.
A-06-AMWTP-RPPWTP-002-44	LOTO sub-contractor violation at a mobile office.
A-06-AMWTP-RPPWTP-002-45	Closeout A-05-AMWTP-RPPWTP-003-A05.
A-06-AMWTP-RPPWTP-002-46	Welding – fit-up inspection - BOF.
A-06-AMWTP-RPPWTP-002-47	Emergency Preparedness Program review.
A-06-AMWTP-RPPWTP-002-48	Welding – fit-up inspection LAW.
A-06-AMWTP-RPPWTP-002-49	Pressure testing LAB in June 2006.
A-06-AMWTP-RPPWTP-002-50	Pressure testing of underground piping-BOF.
A-06-AMWTP-RPPWTP-002-51	Backfill and compaction – glass former storage.
A-06-AMWTP-RPPWTP-002-52	Pressure testing LAB June 2006.
A-06-AMWTP-RPPWTP-002-53	Concrete preplacement inspection - LAB.
A-06-AMWTP-RPPWTP-002-54	Concrete placement - LAB.
A-06-AMWTP-RPPWTP-002-55	Roofing - LAW.
A-06-AMWTP-RPPWTP-002-56	Concrete preplacement inspection - LAB.
A-06-AMWTP-RPPWTP-002-57	Concrete placement – LAB.
A-06-AMWTP-RPPWTP-002-58	Supplier inspection - ACECO.
A-06-AMWTP-RPPWTP-002-59	Supplier inspection -Still-Walter.
A-06-AMWTP-RPPWTP-002-60	Demolition incident - between HLW and PTF.
A-06-AMWTP-RPPWTP-002-61	Concrete preplacement - LAB.
A-06-AMWTP-RPPWTP-002-62	C5 duct leak test - LAW.

<b>Task# ORP-WTP-2006-0120</b>
--------------------------------

E-STARSTM Report  
Task Detail Report  
07/13/2006 0327

TASK INFORMATION			
<b>Task#</b>	ORP-WTP-2006-0120		
<b>Subject</b>	CONCUR: (06-WTP-086) INSPECTION REPORT A-06-AMWTP-RPPWTP-002 - ON-LOCATION INSPECTION REPORT FOR THE PERIOD APRIL 1, 2006, THROUGH JUNE 30, 2006		
<b>Parent Task#</b>		<b>Status</b>	CLOSED
<b>Reference</b>	06-WTP-086	<b>Due</b>	
<b>Originator</b>	Almaraz, Angela	<b>Priority</b>	High
<b>Originator Phone</b>	(509) 373-0068	<b>Category</b>	None
<b>Origination Date</b>	07/10/2006 0838	<b>Generic1</b>	
<b>Remote Task#</b>		<b>Generic2</b>	
<b>Deliverable</b>	None	<b>Generic3</b>	
<b>Class</b>	None	<b>View Permissions</b>	Normal
<b>Instructions</b>	<p>Hard copy of the correspondence is being routed for concurrence. Once you have reviewed the correspondence, please approve or disapprove via E-STARS and route to the next person on the list. Thank you.</p> <p>bcc: MGR RDG File WTP OFF File S. J. Olinger, DEP R. C. Barr, ESQ C. R. Ungerecht, ESQ J. J. Short, AMD J. W. McCormick-Barger, OCT M. J. Thomas, OCT J. R. Eschenberg, WTP</p>		
<b>ROUTING LISTS</b>			
1	Route List	Inactive	
	<ul style="list-style-type: none"> <li>● McCormick-Barger, James W - Review - Concur - 07/11/2006 1545 <i>Instructions:</i></li> <li>● Thomas, Michael J - Review - Cancelled - 07/13/2006 1532 <i>Instructions:</i></li> <li>● Short, Jeff J - Review - Cancelled - 07/13/2006 1532 <i>Instructions:</i></li> <li>● Eschenberg, John R - Review - Concur - 07/12/2006 1057 <i>Instructions:</i></li> <li>● Olinger, Shirley J - Review - Cancelled - 07/13/2006 1532 <i>Instructions:</i></li> <li>● Schepens, Roy J - Approve - Cancelled - 07/13/2006 1532 <i>Instructions:</i></li> </ul>		

**RECEIVED**

JUL 13 2006

**DOE-ORP/ORPCC**



<b>Task# ORP-WTP-2006-0120</b>	
<b>ATTACHMENTS</b>	
Attachments	1. 06-WTP-086.JWM.Enclosure.doc 2. 06-WTP-086.JWM.Inspection Report Apr - jun 2006.doc
<b>COLLABORATION</b>	
<b>COMMENTS</b>	
<i>No Comments</i>	
<b>TASK DUE DATE HISTORY</b>	
<i>No Due Date History</i>	
<b>SUB TASK HISTORY</b>	
<i>No Subtasks</i>	

-- end of report --

**Task# ORP-WTP-2006-0120**

E-STARS™ Report  
 Task Detail Report  
 07/10/2006 0838

**TASK INFORMATION**

**Task#** ORP-WTP-2006-0120

**Subject** CONCUR: (06-WTP-086) INSPECTION REPORT A-06-AMWTP-RPPWTP-002 - ON-LOCATION INSPECTION REPORT FOR THE PERIOD APRIL 1, 2006, THROUGH JUNE 30, 2006

**Parent Task#** **Status** Open

**Reference** 06-WTP-086 **Due**

**Originator** Almaraz, Angela **Priority** High

**Originator Phone** (509) 373-0068 **Category** None

**Origination Date** 07/10/2006 0838 **Generic1**

**Remote Task#** **Generic2**

**Deliverable** None **Generic3**

**Class** None **View Permissions** Normal

**Instructions** Hard copy of the correspondence is being routed for concurrence. Once you have reviewed the correspondence, please approve or disapprove via E-STARS and route to the next person on the list. Thank you.

bcc:  
 MGR RDG File  
 WTP OFF File  
 S. J. Olinger, DEP  
 R. C. Barr, ESQ  
 C. R. Ungerecht, ESQ  
 J. J. Short, AMD  
 J. W. McCormick-Barger, OCT  
 M. J. Thomas, OCT  
 J. R. Eschenberg, WTP

**ROUTING LISTS**

1 Route List Active

- McCormick-Barger, James W - Review - Awaiting Response  
*Instructions:*
- Thomas, Michael J - Review - Awaiting Response  
*Instructions:*
- Short, Jeff J - Review - Awaiting Response *OK 7/10/06*  
*Instructions:*
- Eschenberg, John R - Review - Awaiting Response *OK 7/10/06*  
*Instructions:*
- Olinger, Shirley J - Review - Awaiting Response *OK 7/10/06*  
*Instructions:*
- Schepens, Roy J - Approve - Awaiting Response  
*Instructions:*

*7/10*  
*Rec'd 7/10*

**ATTACHMENTS**

- Attachments
1. 06-WTP-086.JWM.Enclosure.doc
  2. 06-WTP-086.JWM.Inspection Report Apr - jun 2006.doc