



IPEC

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REV. 0

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IP3 ASME Section XI, IWL Concrete Containment Inspection for 2009

FORM VT - 3C
CONTAINMENT INSERVICE INSPECTION
RECORD OF VT - 3 /GENERAL VISUAL EXAMINATION

STATION/UNIT: IPEC / Indian Point No. 3 COMPONENT NO. : VCC - 49

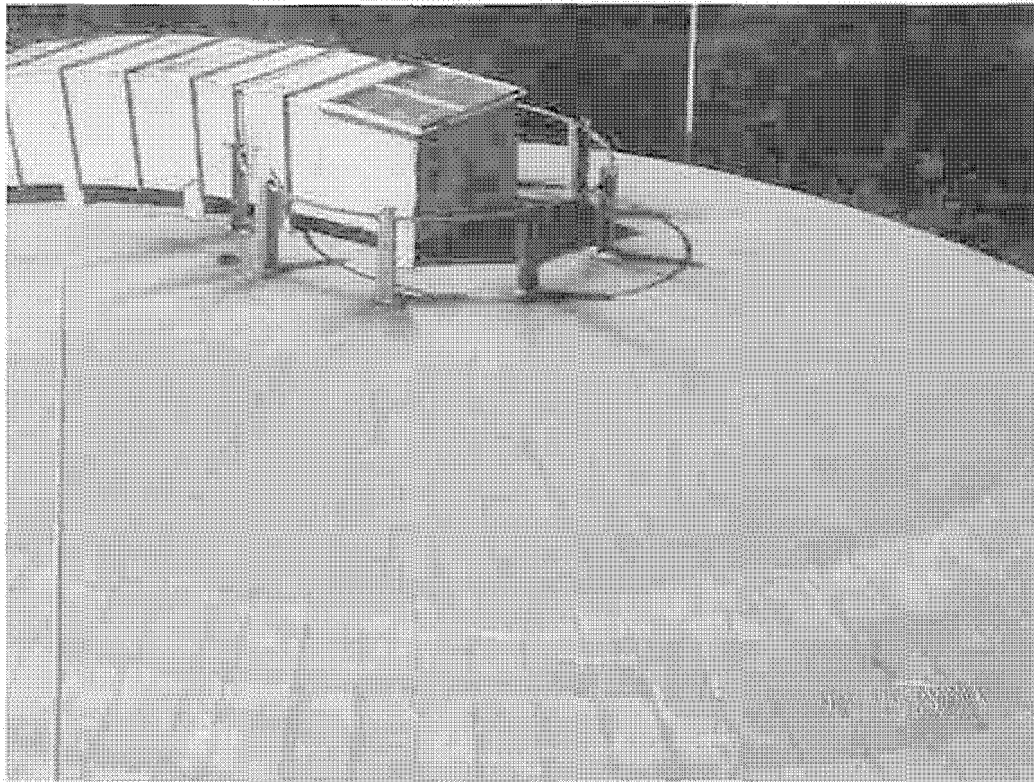
ZONE No: 007

No.	Comment	Initials
1	Tight radial cracks at top of concrete pour and cracks at circumferential construction joints. Construction joints sloppy and rough with several pop outs of patched construction scaffold locations. Deficiencies: Rust stains from lightning arresters, ring hand rail supports, and vent supports - stains not from cracks. All steel inserts were coated in 2009. Other conditions remain the same. See photos U3-DM8203, U3-DM8204, and U3-DM8205.	PMB
2	Numerous bugholes, pattern cracking, and surface cracks with leaching - all minor and previously identified. See photo U3-DM8206.	PMB
3	See photos U3-DM5118, U3-DM7158, U3-DM9091, and U3-DM9092 for general view of top of dome.	PMB



IWL-DOME-007

U3-DM5118



IWL-DOME-007

U3-DM7158



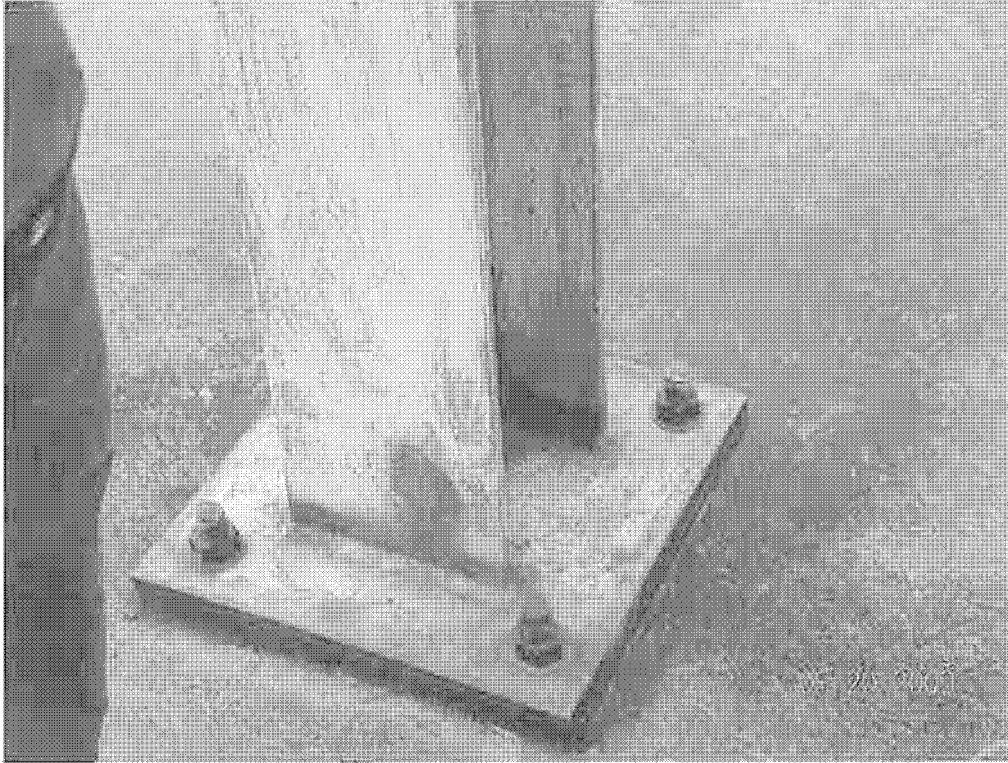
IWL-DOME-007

U3-DM9091



IWL-DOME-007

U3-DM9092



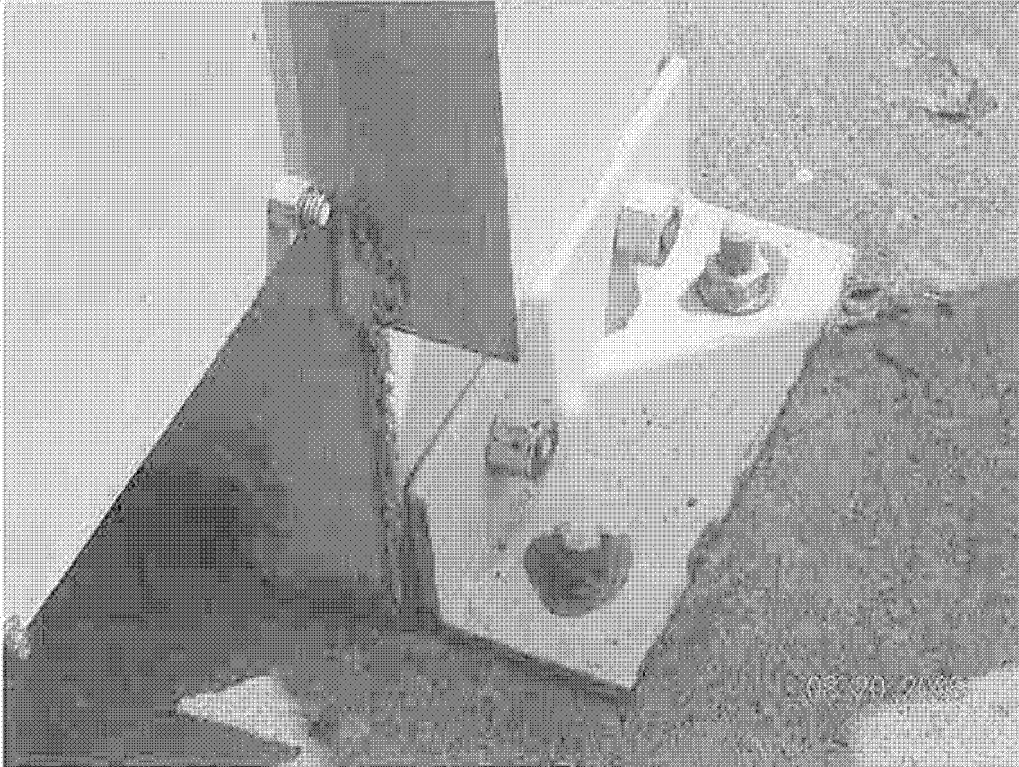
IWL-DOME-007

U3-DM8203



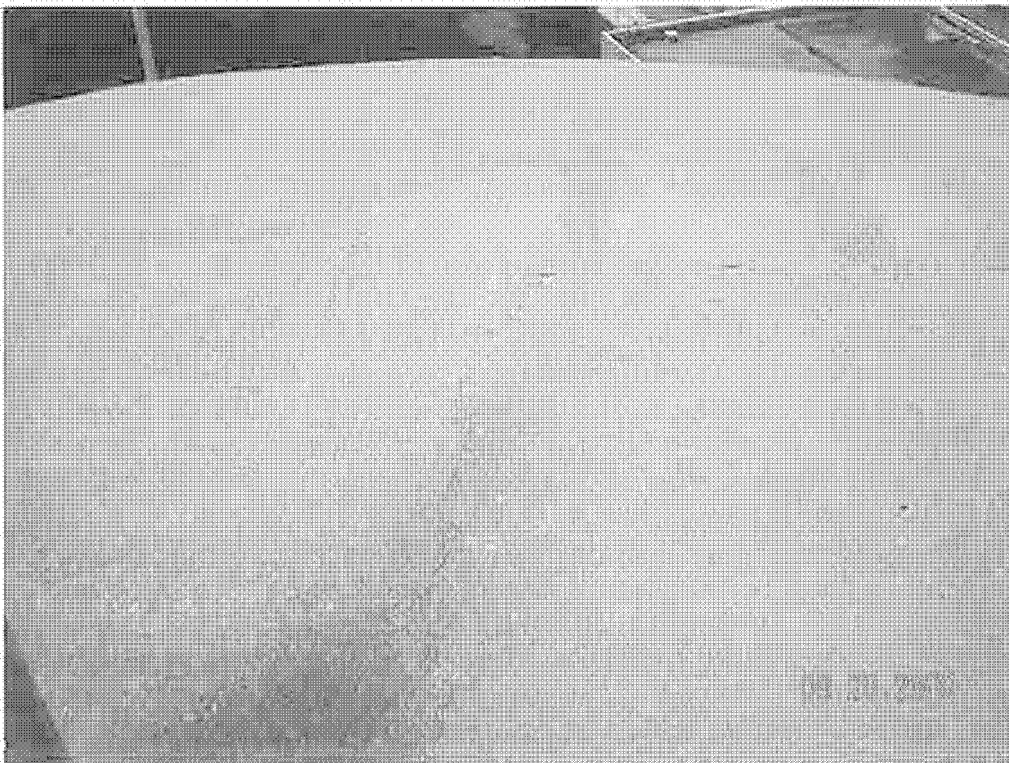
IWL-DOME-007

U3-DM8204




IWL-DOME-007

U3-DM8205



IWL-DOME-007

U3-DM8206


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Indian Point 3 Nuclear Power Plant



ATTACHMENT 8.3

RESUMES

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RICHARD S. DRAKE

CIVIL/STRUCTURAL ENGINEERING SUPERVISOR

EDUCATION: Bachelor of Science Degree in Civil Engineering
Rutgers University, College of Engineering
Graduated May '81 Cum Laude
Masters of Science Degree in Civil/Structural Engineering
Rutgers University, Jan. '85

LICENSES: **Professional Engineer (PE):** New Jersey and New York

MEMBERSHIPS: American Society of Civil Engineers
Structural Engineering Institute (SEI/ASCE)
Chi Epsilon (Civil Engineering Honor Society)
Tau Beta Pi (Engineering Honor Society)


EXPERIENCE: Entergy Nuclear Northeast Nov. 2000 - present
New York Power Authority 1986 – Nov. 2000

IPEC Civil/Structural Engineering Supervisor Oct 2005 – present
In charge of the Indian Point (IPEC) Civil/Structural Design Engineering Group.
Group responsible for the dual operating PWR units design Basis and
modification. The group also was involved in work at the Mothballed Unit 1
decommissioning work. Resumed the role as the Responsible Engineer for all
inspections of structures on site. This included all Structural Maintenance Rule
and ASME Section XI IWE/IWL inspections

IPEC Mechanical Engineering Supervisor May 2003 – Oct 2005
In charge of the Indian Point Energy Center (Combined Units 1,2, & 3)
Mechanical Engineering group and Designers. In charge of Modifications and
Design Basis Control of Mechanical Systems in the plants. During this time I
continued acting as the Civil/Structural Engineering Supervisor as well as the
Acting Design Engineering Manager.

Civil/Structural Engineering Supervisor at IP3 Feb 1995 – May 2003
In charge of the Indian Point (IP3) Civil/Structural Group. Responsible for
supervising the site Civil/Structural Engineers maintaining the Design Basis and
performing modifications to the plant structures and components. Group also
performed pipe stress analyses, seismic qualifications, security, and
erosion/corrosion evaluations. Was also the Responsible engineer for Structural
Maintenance Rule inspections of all structures on site and ASME Section XI
IWE/IWL inspections.

Acting Manager Civil/Structural Engineering Group June 1994 - Feb 1995
In charge of the Corporate Civil/Structural Group supporting both the Indian
Point (IP3) and Fitzpatrick (JAF) Nuclear plants.

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RICHARD S. DRAKE

CIVIL/STRUCTURAL ENGINEERING SUPERVISOR

Senior Civil/Structural Engineer

1986 - June 1994

Corporate Structural Engineer performing design and analysis of piping systems and their supports. Reviewed and designed buildings and structures for earthquake and tornado loads in accordance with AISC, ACI, local and regulatory codes. Performed seismic qualification analyses of equipment and components for safety related systems. Member of the Westinghouse Owners Group Material Subcommittee.

Burns and Roe, Inc., Oradell, N.J.

1981 – 1986

Stress Engineer

Performed extensive work using Finite Element computer analysis in the following areas: Special Fittings stress analysis, Piping systems time-history analysis, Thermal transient and fatigue analysis for containment penetrations and systems. Performed pipe support analysis and design according to AISC and local codes. Additional work performed for both nuclear and fossil power plants include hand and computer calculations for ASME class 1, 2, 3 and B31.1 piping analysis subjected to deadweight, thermal expansion, and dynamic loads. Computer programs used: ANSYS, ADLPIPE, FORTRAN, and STRUDL.

Forensic Scheduling Engineer


Worked on planning and scheduling litigation support for evaluating construction delays and losses in the construction of a fossil fuel power plant. Prepared as-built schedules, manpower histograms, and legal reports analyzing the types of delays and their causes in all phases of construction.

A. G. Lichtenstein and Associates, Fairlawn, N.J.

1980

Bridge Inspector

Bridge inspector for a consulting engineering firm specializing in bridge and hydraulic design. Inspected bridges in New Jersey, New York City and Boston. Prepared as-built drawings and calculations in the analysis of the bridge inspection reports according to the AASHTO code.

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John F. Skonieczny

PROFESSIONAL EXPERIENCE

Entergy Nuclear Northeast
Lead Senior Engineer

September 2001 – Present


Currently Project Engineer for Unit 3 Fuel transfer Project. Was Project Engineer for the Dry Cask Storage Project. This work involved the coordination of several major vendor activities, supervision of project team members and review of all technical work. Technical activities involved the major re-design of the Unit 2 Fuel Storage Building Truck Bay Floor, development and oversight of a new 110 ton Gantry Crane, excavation for and design of ISFSI Pad to store up to 75 Holtec HI-STORM casks. Field support for all activities was also provided.

Past work within Entergy was in the Design Engineering Civil Group providing civil/structural engineering support primarily to the Unit 2 Nuclear Power Station. Responsibilities include the development, review and approval of calculations, creation of modification packages, DOE's and 50.59 evaluations, response to condition reports, SQUG evaluations, review of vendor reports and provide field support. Discipline Engineer for seismic issues including equipment/component qualification. Successfully implemented the SQUG methodology and STERI process for seismic evaluation of new and replacement equipment. Was the Responsible Engineer for the structural work required for the Unit 2 Security upgrades and the night lead structural engineer for the Unit 2 2002 Refueling Outage.

Consolidated Edison of New York, Peekskill, N.Y.
Senior Engineer

June 99 – September 2001

Work in the NPE Civil Projects and Programs Section providing civil/structural engineering support to the Indian Point 2 Nuclear Power Station. Responsibilities include the development, review and approval of calculations, creation of modification packages, DOE's and safety evaluations, response to condition reports, SQUG evaluations, review of vendor reports and provide field support. Discipline Engineer for seismic issues including equipment/component qualification. Successfully implemented the SQUG methodology and STERI process for seismic evaluation of new and replacement equipment. Duties also include project management activities associated with major projects and programs related to the support and improvement of the Indian Point 2 facility including the Independent Spent Fuel Storage Facility (ISFSI), and the IWE/IWL Containment Inspection program. This includes the daily supervision of Designers working on my projects and the interface with Construction, Maintenance, Operations, Plant Engineering and or System Engineering as required to successfully complete projects.

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Brookhaven National Laboratory(BNL), Upton, N.Y.
Project Engineer I

Nov 91 - June 99

Provide engineering support for the High Flux Beam Reactor(HFBR) which is used for neutron scattering research. Responsibilities include development of modification packages, performing structural design and analyses, piping/pipe support design and analyses, seismic equipment qualification using both industry standard and SQUG techniques, Safety Evaluations, and field support. Extensive experience in the area of seismic design and analyses, including non-standard analyses requiring the use of finite element and structural analyses programs such as ANSYS and STAAD-III. Lead the seismic retrofit of the Control Room and Operations level 20 ton crane structures. Completed a detailed three-dimensional analysis of the HFBR Thermal Shield Structure for fracture mechanics evaluation using the ANSYS computer program. Loads included dead weight, pressure, thermal and seismic. All design and analyses performed to industry standard codes such as ASME Boiler and Pressure Vessel Code, American Institute of Steel Construction Manual, and ACI code. Duties also required interface with Maintenance and Operations staff and provide direction to other engineers working on my projects.

Consolidated Edison of New York, New York, N.Y.
Engineer

Nov 90 - Nov 91

Provide project management and technical support for the Indian Point II Nuclear Power Station and various fossil power stations. Responsibilities included field and outage support for Indian Point II Nuclear Power Station, development and technical review of bid proposals, oversight and review of projects performed by both in-house and consultant personnel, and providing formal presentations on project status to upper management. Provided seismic analyses and Civil/Structural technical and outage support for the Indian Point II Nuclear Power Station.

ABB Impell Corporation, Melville, New York
Lead Senior Engineer

Jun 80 - Nov 90

Performed and directed projects requiring the design and analysis of steel and concrete structures, piping, pipe supports and equipment primarily for the Nuclear Power industry. Required extensive use and knowledge of finite element programs such as ANSYS, STRUDL and COSMOS7 to solve complex structural problems involving static, dynamic, seismic, thermal and heat transfer loads. Directly responsible for meeting time and budget constraints for projects under my direction. Also worked as a field/modification engineer by providing outage and construction support to several commercial Nuclear Power facilities. During outage support duties, typically had a staff of three to five engineers under my direction. During my final three(3) years at ABB Impell, I worked on site at the Shoreham Nuclear Power Station providing technical support and guidance in the areas of seismic/stress analyses, performed Safety Analyses(USQD), developed Engineering Change Requests and Modification Packages, performed and reviewed Seismic Equipment Qualification Packages and mentored utility engineers in the area of seismic analysis.

Babcock and Wilcox, Barbeton, Ohio
Engineer

Jun 78 - Jun 80

Performed structural analyses for steam generator components for use in test breeder reactors and U. S. Nuclear Navy. Analyses were performed for static, mechanical and thermal loads in accordance to ASME Boiler and Pressure Vessel Code.

EDUCATION

Polytechnic Institute of New York, Brooklyn, NY
M.S Mechanical Engineering 1986


Rutgers University, New Brunswick, NJ
B.S. Civil Engineering 1978

LICENSES

1. Professional Engineering License, State of New York, License Number 078096

PUBLICATIONS

1. BNL Informal Report BNL-60252, "Modified Floor Response Spectra for the Brookhaven National Laboratory High Flux Beam Reactor", March 1994

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PAUL M. BOWE

ENGINEER Iii

EDUCATION:

Bachelor of Science Degree in Civil Engineering
 Norwich University, Northfield, VT
 Graduate December 2004

Associates of Civil Engineering Technology
 Hudson Valley Community College, Troy, NY
 Graduate August 2002

Manhattan College: Graduate Courses
 Reactor Theory
 Radwaste
 Construction Management
 Construction Cost and Estimating
 Construction Planning and Scheduling
 Marketing and Finance
 Contracts & Specification
 Engineering Risk and Decision Analysis

Undergraduate Courses:

Reinforced Concrete Design – designed and analyzed reinforced concrete structures, such as retaining walls, walls, footings, and columns, and gained a basic understanding of the strength and behavior of reinforced concrete members.

Applied Statics and Strength of Material – presented an analytical and practical approach to the principles and physical concepts of statics and strength of materials.


EXPERIENCE:

Entergy Nuclear Northeast April 2005 – present
 IPEC Engineer Iii

Performed Maintenance Rule inspections, assisted in the Unit 2 IWL inspection, and prepared reports for both. Also, completed ESP Orientation training, reviewed calculations, and edited design bases documents (owner of Containment DBD).

Holbrook Lumber Co. 2001 – 2004
 Estimator

Designed residential and commercial floor systems using engineered wood product. Analyzed both live and dead loads acting on the floor system and distributed loading throughout the building as required.

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GOPAL BHALLA

SUMMARY

More than Twenty-Five years of broad domestic and foreign engineering experience, with focus on Mechanical Design Engineering in the field of power industry and oil industry. Having more than fifteen years of Power Plant experience.

Proven expertise in the areas of Piping Layout Design, Stress Analysis, Flow Analysis, Operability Analysis and Pipe support Design.

Energetic, creative, result oriented person who communicates effectively at all organization levels.

COMPUTER SKILLS

Proficient in WINDOWS operating systems; Microsoft WORD, EXCEL, AutoCAD, Microsoft OUTLOOK.

Proficient in using the Piping Stress Analysis Program "ADLPIPE" on mainframe computer system as well as on PC. Also having knowledge of using the "PIPEFLO" program for flow analysis in piping systems.

Proficient in AutoCAD for drawing preparation and management.

TRAINING

Successfully completed the Four weeks Nuclear Plant System Course, which was given at in-house training center.

Completed the course for ASME Section XI, which was conducted by ASME for In-service inspection and In-service testing of equipment at a nuclear facility. Also completed the course in Power Piping Code B31.1 conducted by ASME and a numerous other Piping Design Code related courses given by The Center for Professional Development.


MEMBERSHIPS AND AWARDS

American Society of Mechanical Engineers and Instrument Society of America.

Two-time winner of Employee of the quarter award and also winner of Focus'99 Team award in Con Edison.

EDUCATION

1971 - 1975 Institution of Engineers, (India) Calcutta
B.S. in Mechanical Engineering

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PROFESSIONAL EXPERIENCE

1987 – Present Entergy Nuclear North-East/Con Edison NEW YORK

Sr. Lead Engineer:

Acting as a Lead in directing, assigning work to designers for plant drawings update, required to resolve the discrepancies between design documentation and as found conditions thru the in-house condition reporting system . The updated drawings/documents are reviewed and approved by me for technical adequacy. I have extensive knowledge of the design modification drawing development procedures. I was involved during development phase of the drawing management system (MOTIVA).

Work assignments have developed expertise in the areas of Piping Design and Stress Analysis, Seismic Analysis, Operability Analysis of pipe supports based on ASME Section XI, In particular: Developed the Modification packages for various Mechanical projects including stress analysis, technical drawings, pipe support design and engineering calculations including hydraulic flow analysis.

Performed studies and engineering calculations to evaluate the existing piping design for various systems of nuclear and fossil power plants.

Interaction with plant personnel and other departments during the development of the modification packages.

Assigned to support the power plant during the outages to justify the engineering decisions through calculations and analysis.

Interaction with construction crews and contractors during construction phase of the modification packages in nuclear and fossil power plants.

1985 - 1987 HAZEN & SAWYER, P.C., NEW YORK

Engineer

Performed various engineering functions for Water Treatment, Waste Water Treatment, and Captive Power Plants, in particular:

Development of flow diagrams for various systems such as aeration, filtration, inhibitor, polymer, natural gas, steam, and condensate systems.

Review and approval of mechanical shop drawings and engineering calculations.

Preparation of technical specifications for mechanical equipments such as pipe and pipefittings, valves, storage tanks, vessels, pumps and review of vendor specs and calculations.

1976 - 1985 ENGINEERS INDIA LIMITED NEW DELHI (INDIA)

Engineer

Worked in highly competitive environment of Design Engineering for designing the Oil Refineries, Fertilizer Plant, Power Plants and non-ferrous metallurgical plants

Prepared technical specifications for mechanical equipments including turnkey projects such as DM water plants, effluent treatment plants, cooling towers and cooling water treatment facilities.

Performed engineering analysis of various piping systems for various chemical plants.

Assigned as a field resident engineer for more than two years during the construction of a large capacity urea and ammonia fertilizer plant

Developed equipment and piping layout designs for process, power, paper, chemical and non-ferrous metallurgical plants.

**Indian Point 3
Nuclear Power Plant**



**ATTACHMENT 8.4
EYE EXAMINATION RECORDS**



Entergy Nuclear Northeast

Name	Badge	Company	LT	ET	IFT	RT	PT	IT	IC	ITN	ICB	ICP	Exp. Date
Allen II, Robert E.	000006550	ENERGY			II EOI	III EOI	III EOI	III EOI		II	II	II	1/6/2010
					2/2/2010	2/2/2010	2/3/2010	1/31/2010		4/18/2010	4/18/2010	4/18/2010	
Babbitt, John F.	000043752	ENERGY				III							11/25/2009
						10/3/2010							
Bhalla, Gopal	000009189	ENERGY							II GV				7/14/2010
									7/14/2010				
Bowe, Paul	000048451	ENERGY							II GV				7/13/2010
									7/13/2010				
Drake, Richard	000010845	ENERGY							II GV				7/14/2010
									7/14/2010				
Flynn, Thomas J.	000010950	ENERGY			III	III							1/6/2010
					1/23/2011	1/23/2011							
Guarnaccia, Stephen	000001650	ENERGY							II GV				3/12/2010
									3/12/2010				
Herrmann, Robert D.	000042988	ENERGY						III		II	II	II	12/30/2009
								12/12/2010		8/8/2010	8/8/2010	8/8/2010	
Lo, Kai	000010852	ENERGY							II GV				7/14/2010
									7/14/2010				
Nuta, Dan	000013276	ENERGY							II GV				7/13/2010
									7/13/2010				
Peterson, Joseph F.	000010843	ENERGY			II	II		TRN		II	II	II	6/24/2010
					7/22/2011	7/22/2011		8/1/2011		9/4/2011	9/4/2011	9/4/2011	
Skonieczny, John	000008896	ENERGY							II GV				7/13/2010
									7/13/2010				
Terpening, Michael	000009743	ENERGY			II	II	III	III		II	II	II	2/4/2010
					8/15/2010	10/1/2010	4/15/2012	12/12/2010		8/7/2010	8/7/2010	8/7/2010	
Yeh, Chin-Hsuan	000010380	ENERGY							II GV				7/14/2010
									7/14/2010				

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EYE EXAMINATION RECORD

NAME: Bhalla, Gopal TEST METHOD: Manual Machine
SOCIAL SECURITY or ID#: 9519
EMPLOYER: Entergy Design Eng.

FAR DISTANCE ACUITY: (Snellen Test, indicate "20/30 at twenty (20) feet" or actual vision)
Unaided Right 20/25 Left 20/20 Both 20/20
Present Rx Right N/A Left N/A Both N/A ✓

NEAR DISTANCE ACUITY: (Jaeger chart, indicate "J1" read at the distance required by ASME Section XI [IWA-2322] or actual Snellen fraction 20/25 vision)
Unaided Right N/A Left N/A Both N/A
Present Rx Right 20/25 Left 20/20 Both 20/20 ✓

COLOR CONTRAST TEST RESULTS:

(Check One)
 Examined using test plates in the Ishihara Test plates for Color Blindness
 Practical Demonstration of capability to distinguish colors or differentiate contrast between colors normally encountered by individual in his/her assignments
 Color coded 8-conductor cable
Color perception is: Normal Abnormal Acceptable by practical demonstration ✓

I certify that the above individual has been administered above Eye Examinations and the results entered are correct

Eye Examiner: [Signature] Title: Med. tech Date: 7.14.09

REVIEW OF EYE EXAMINATION RESULTS:

I certify that the above individual's certifications(s) to perform Inspections / Examinations / Tests:
(Check one)
 are supported by the results of this eye examination
 are not supported by this eye examination due to unacceptable results
Name & Signature: [Signature] Title: NDS LEV. III Date: 7/15/09



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EYE EXAMINATION RECORD

NAME: Drake, Richard TEST METHOD: [X] Manual [] Machine
SOCIAL SECURITY or ID#: 6765
EMPLOYER: Entergy Desa Eng

FAR DISTANCE ACUITY: (Snellen Test, indicate "20/30 at twenty (20) feet" or actual vision)
Unaided Right N/A Left N/A Both N/A
Present Rx Right 20/30 Left 20/30 Both 20/30 [X]

NEAR DISTANCE ACUITY: (Jaeger chart, indicate "J1" read at the distance required by ASME Section XI [IWA-2322] or actual Snellen fraction 20/25 vision)
Unaided Right N/A Left N/A Both N/A
Present Rx Right 20/20 Left 20/20 Both 20/20 [X]

COLOR CONTRAST TEST RESULTS: (Check One)

[X] Examined using test plates in the Ishihara Test plates for Color Blindness
[] Practical Demonstration of capability to distinguish colors or differentiate contrast between colors normally encountered by individual in his/her assignments
[] Color coded 8-conductor cable
Color perception is: [X] Normal [] Abnormal [] Acceptable by practical demonstration [X]

I certify that the above individual has been administered above Eye Examinations and the results entered are correct.

Eye Examiner: Kelly [Signature] Title: Med Tech Date: 7/14/09

REVIEW OF EYE EXAMINATION RESULTS:

I certify that the above individual's certifications(s) to perform inspections / Examinations / Tests:

(Check one)
[X] are supported by the results of this eye examination
[] are not supported by this eye examination due to unacceptable results

Name & Signature: P. ALAN FULLER Title: NDE LEV. III Date: 7/14/09

Entergy

EYE EXAMINATION RECORD

NAME: Paul Bode TEST METHOD: Manual Machine

SOCIAL SECURITY or ID#: 7426

EMPLOYER: Entergy D Eng

EAR DISTANCE ACUITY: (Snellen Test, indicate "20/30 at twenty (20) feet" or actual vision)

Unaided	Right <u>20/20</u>	Left <u>20/20</u>	Both <u>20/20</u>
Present Rx	Right <u>N/A</u>	Left <u>N/A</u>	Both <u>N/A</u>

NEAR DISTANCE ACUITY: (Jaeger chart, indicate "J1" read at the distance required by ASME Section XI [IWA-2322] or actual Snellen fraction 20/25 vision)

Unaided	Right <u>20/20</u>	Left <u>20/20</u>	Both <u>20/20</u>
Present Rx	Right <u>N/A</u>	Left <u>N/A</u>	Both <u>N/A</u>

COLOR CONTRAST TEST RESULTS:
(Check One)

Examined using test plates in the Ishihara Test plates for Color Blindness

Practical Demonstration of capability to distinguish colors or differentiate contrast between colors normally encountered by individual in his/her assignments

Color coded 8-conductor cable

Color perception is: Normal Abnormal Acceptable by practical demonstration

I certify that the above individual has been administered above Eye Examinations and the results entered are correct

Eye Examiner: Keely Peltier Title: Med Tec Date: 7/13/09

REVIEW OF EYE EXAMINATION RESULTS:

I certify that the above individual's certifications(s) to perform Inspections / Examinations / Tests:

(Check one)

are supported by the results of this eye examination

are not supported by this eye examination due to unacceptable results

Name & Signature: Paul Bode Title: NDE LEV. III Date: 7/14/09



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EYE EXAMINATION RECORD

NAME: John Skonieczny TEST METHOD: [X] Manual [] Machine
SOCIAL SECURITY or ID#: 8043
EMPLOYER: Entergy, D. Eng.


FAR DISTANCE ACUITY: (Snellen Test, indicate "20/30 at twenty (20) feet" or actual vision)
Unaided Right 20/30 Left 20/20 Both 20/20
Present Rx Right N/A Left N/A Both N/A

NEAR DISTANCE ACUITY: (Jaeger chart, indicate "J1" read at the distance required by ASME Section XI [IWA-2322] or actual Snellen fraction 20/25 vision)
Unaided Right N/A Left N/A Both N/A
Present Rx Right 20/20 Left 20/20 Both 20/20

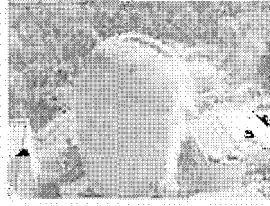
COLOR CONTRAST TEST RESULTS:
(Choose One)
[X] Examined using test plates in the Ishihara Test plates for Color Blindness
[] Practical Demonstration of capability to distinguish colors or differentiate contrast between colors normally encountered by individual in his/her assignments
[] Color coded 9-conductor cable
Color perception is: [X] Normal [] Abnormal [] Acceptable by practical demonstration

I certify that the above individual has been administered above Eye Examinations and the results entered are correct
Eye Examiner: Kelly [Signature] Title: med tech Date: 7.13.09

REVIEW OF EYE EXAMINATION RESULTS:
I certify that the above individual's certifications(s) to perform Inspections / Examinations / Tests:
(Choose one)
[X] are supported by the results of this eye examination
[] are not supported by this eye examination due to unacceptable results
Name & Signature: F. AUSA [Signature] Title: NDS GEN. III Date: 7/14/09

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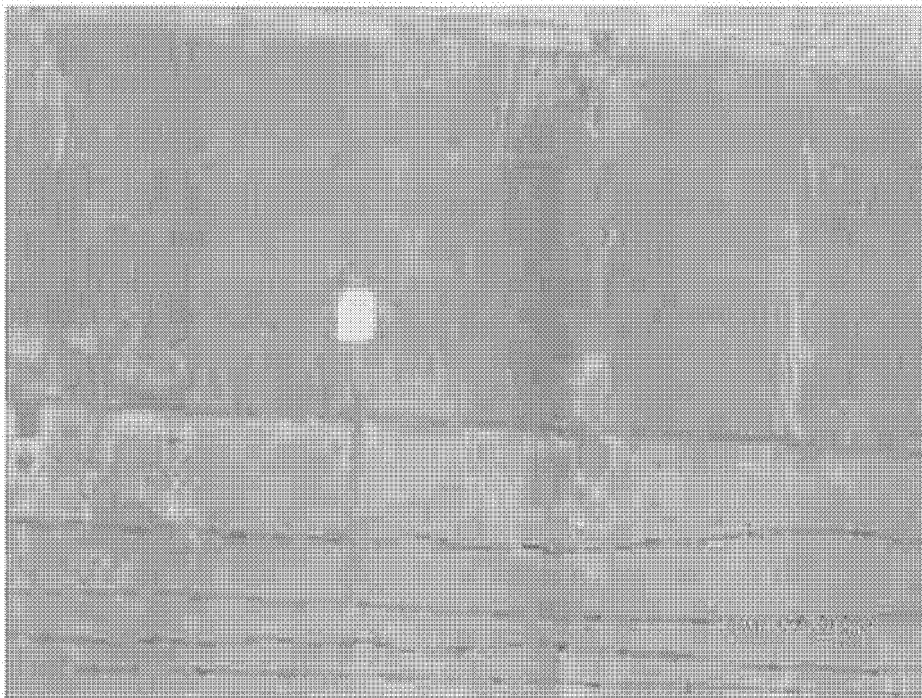


ATTACHMENT 8.5

EXPOSED METAL REPAIRS – BEFORE & AFTER PHOTOS

*Before*

Indication: 1 ½" diameter exposed metal insert with significant rust staining.
Location: Zone 6, approx. elevation 95'-0", just to the right of the hatch.

*After*

INDICATION #1

*Before*

Indication: Two small exposed metal inserts with minimal rust and staining.
Location: Zone 6, approx. elevation 103'-0", just to the right of the hatch.

*After*

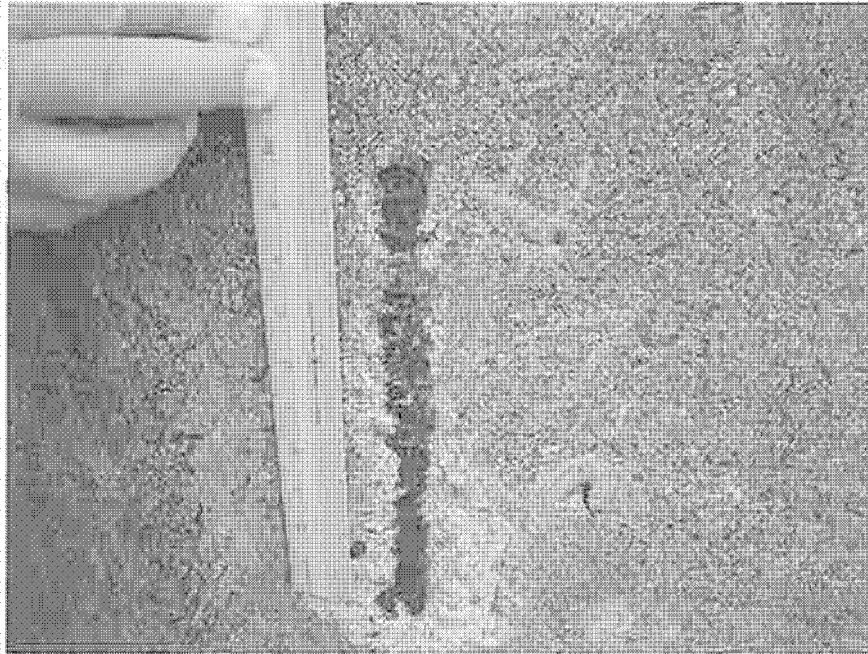
INDICATION #2

*Before*

Indication: Embedded steel plate, 2" x 4", with minimal rust and staining.
Location: Zone 6, approx. elevation 98'-0", just to the right of the hatch.

*After*

INDICATION #3

*Before*

Indication: Exposed rebar, approx. 10" long, with faint evidence of corrosion.
Location: Zone 6, approx. elevation 113'-0", on the hatch.

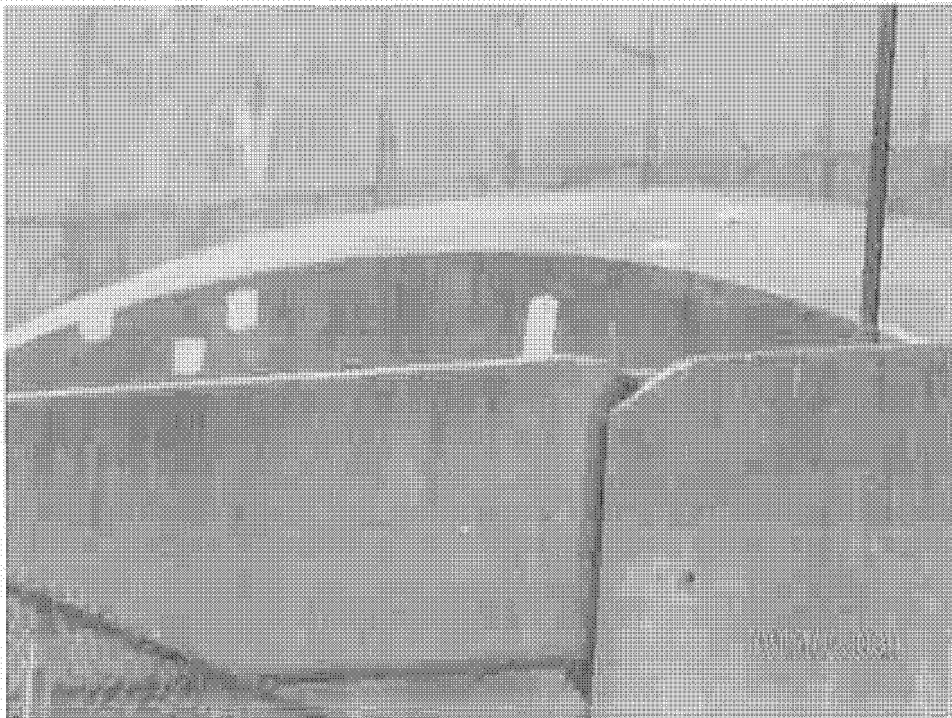
*After*

INDICATION #4



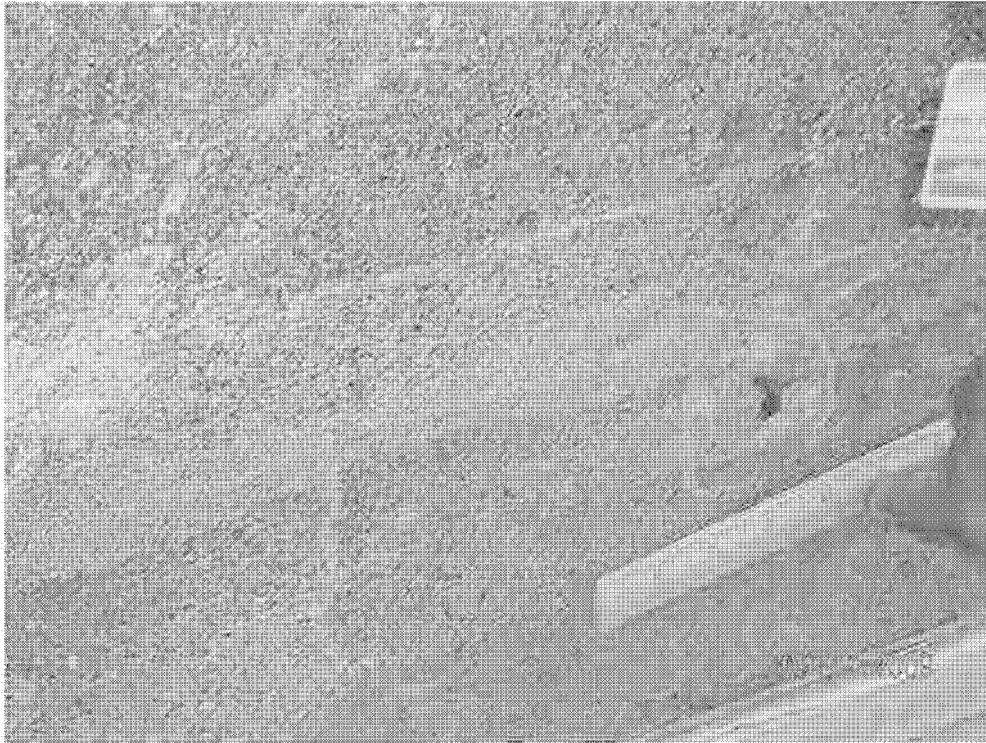
Before

Indication: Two small exposed metal inserts with minimal rust and staining.
Location: Zone 6, approx. elevation 113'-0", on the hatch.



After

INDICATION #5

*Before*

Indication: Small exposed metal insert with minimal rust and staining.
Location: Zone 6, approx. elevation 113'-0", on the hatch.

NO VANTAGE POINT FOR AFTER PHOTO. CONFIRMED WITH PERSON-IN-CHARGE THAT COATING WAS APPLIED.

After

INDICATION #6