



Consumers
Power
Company

James W Cook
Vice President - Projects, Engineering
and Construction

General Offices: 1945 West Parnall Road, Jackson, MI 49201 • (517) 788-0452

March 31, 1981

Mr Victor Stello
Director of Office of
Inspection and Enforcement
US Nuclear Regulatory Commission
Washington, DC 20555



MIDLAND NUCLEAR PLANT - ALAB-106
QUARTERLY REPORT
DOCKET NOS 50-329 AND 50-330
FILE: 0.4.6 UFI: 70*01 SERIAL: 11522

Pursuant to the second and third conditions of the Memorandum and Order
ALAB-106 dated March 26, 1973, and Amendment No 1 to the Midland Plant
Construction Permits, we are submitting ten (10) copies of our thirty-third
(33rd) report covering the period April 1 through June 30, 1981.

James W. Cook

WRB/lr

CC: RJCook, USNRC Resident Inspector
Midland Nuclear Plant

JGKepler, USNRC Region III

5 : 8104020 162

CONSUMERS POWER COMPANY

REPORT #33, MARCH 31, 1981

Pursuant to Conditions 2FB and 2FC of Construction Permits CPPR-81 and CPPR-82, the following report covers the period April 1, 1981 through June 30, 1981.

A. Construction work to be performed during the period:

See Attachment A.

B. Personnel with quality related duties who were assigned to the Midland Project during the period January 1 through February 28, 1981, and who are expected to be on site through March 31, 1981, and who will be trained as necessary to perform the functions required to them, are as follows:

1. Midland Project Quality Assurance

TRCharette	- NDE/Welding, IE&TV
ARGort	- Fluids/Mechanical, QAE
RFGuentensberger	- Fluids/Mechanical, IE&TV
FHSchulmeister	- Fluids/Mechanical, IE&TV
JCShah	- Civil, IE&TV

2. Bechtel Quality Assurance/Quality Control

RAubert	- Quality Control Engineer, Mech/Piping
FBevins	- Quality Control Engineer, Electrical
DBunnell	- Quality Control Engineer, Electrical
NChapman	- Quality Control Engineer, Mech/Piping
GDake	- Quality Control Engineer, Electrical
BFulcher	- Quality Assurance Engineer, Mechanical
CHill	- Quality Control Engineer, Mech/Piping
RHuron	- Quality Control Engineer, Civil
JKnott	- Quality Control Engineer, Electrical
JLewis	- Quality Control Engineer, Electrical
MOrr	- Quality Control Engineer, Mech/Piping
JRheinhardt	- Quality Control Engineer, Mech/Piping
SSmith	- Quality Control Engineer, Electrical
CSpinks	- Quality Control Engineer, Electrical

3. B&W Construction Company

No additions.

4. Project Management Office

AJTselepis - Coating Specialist

C. Quality Assurance qualifications of supervisors and engineers listed in B above are attached to this report.

D. Changes

The following no longer are performing quality-related tasks at the

1. Midland Project Quality Assurance

- *SRAndersen - Electrical/Mechanical, QAE
(Graduate Engineer Training Program)
- MFDewitt - Fluids/Mechanical, IE&TV
- *TLKoch - NDE/Welding, IE&TV
- FAPimentel - NDE/Welding, IE&TV
- KORafferty - NDE/Welding, IE&TV
- RYe - Electrical, IE&TV

*These persons were assigned to the Midland Project on a temporary basis; their qualifications are attached to this report.

2. Bechtel Quality Assurance/Quality Control

- AAkbar - Quality Control Engineer, Mech/Piping
- RBryan - Quality Control Engineer, Electrical
- CCameron - Quality Control Engineer, Electrical
- WDaly - Quality Control Engineer, Welding
- PDiCarlo - Quality Control Engineer, Welding
- DGadani - Quality Control Engineer, Mech/Piping
- MGrimm - Quality Control Engineer, Electrical
- DHallenbeck - Quality Control Engineer, Electrical
- JHamler - Quality Control Engineer, Mech/Piping
- WHodkiewicz - Quality Control Engineer, Mech/Piping
- ALobrovich - Quality Control Engineer, Electrical
- EMann - Quality Control Engineer, Electrical
- ENewman - Quality Control Engineer, G.A.
- JPetrosino - Quality Control Engineer, Electrical
- CUrbany - Quality Control Engineer, Electrical

3. B&W Construction Company

No changes.

Further additions and deletions to the list of personnel with quality-related duties will be noted in the next quarterly report.

MIDLAND PROJECT QUALITY ASSURANCE

NAME: Anderson Stephen R
(Last) (First) (I)

DATE: February 20, 1981

ORGANIZATION: MIDLAND PROJECT QA

EMPLOYEE NO.: N/A

EDUCATION:

High School - Graduated June 1973 from American School Foundation, Mexico D.F., Mexico

College - September 1973 - April 1975 and January 1976 - April 1979 (graduated)
BS Mechanical Engineering, University of Michigan, Ann Arbor, Michigan

WORK HISTORY:

- 06/79 - 02/81: Consumers Power Company, Graduate Engineer Training Program. Received exposure to all departments within PE&C: Midland PMO, Campbell #3 Testing, Engineering Services, Construction Services, Labor Relations, Environmental Activities, Electrical Transmission Engineering and Construction, Generating Plant Modifications Department (assigned to JRWhiting Plant), Project Controls and Administrative Services, Quality Assurance. Will obtain permanent assignment in March 1981.
- 05/78 - 09/78: University of Michigan Engineering Services, Assistant Mechanical Engineer for Plant Operations.
Ford Motor Company, Dynamometer Technician.
- 1977: Attended Spring/Summer Session at the University of Michigan.
- 05/76 - 09/76: Chrysler Corp., Packaging and Packing Auto Parts for International Export, Forklift Driver.
- 07/75 - 12/75: Hawaiian Rentals, Honolulu, Hawaii. Rental Agent and Service Mechanic for Construction Equipment Rental Firm.
- 05/75 - 07/75: Yamaha of Hawaii, Service Mechanic.
- 05/74 - 09/74: Chrysler Corp., Assembly Line Work.
- 06/73 - 09/73: Chrysler Corp., Assembly Line Work.

NAME: CHARETTE, TONY R.
(Last) (First) (I)

DATE: 3/9/81

ORGANIZATION: Midland Project Quality Assurance

EMPLOYEE NO.: 3008

EDUCATION:

1964-1967: Hammond Technical Vocation High School, Indiana; Vocational
1968 GED U.S. Army
1970 Purdue University, Calumet Campus, Indiana

WORK HISTORY:

1970-1981: Graver Energy Systems, Inc., East Chicago, Indiana
1979-1981: QAE responsible for initiation and resolution of nonconformances, initiation of inspection checklists, initiation of surveillance reports, documentation reviews and overseeing QC activities.
1979 QC Supervisor Field Construction responsible for construction schedules (inspections) and surveillance.
1978 QC Lead - RE Level II Point Inspection (Dry Film - Wet film) vendor surveillance
1972-1977: QC Inspector receiving inspection, dimensional inspection using micrometers, calipers, tapes, protractors, etc. Inspection and testing of containments, penetrations, piping, pressure vessels and standard products.
1974 - Visual examination level II, equipment calibration, MPE level I
1975 - MPE level II, LPE level I, LPE level II
1976 - QC lead - RE level II point inspection (dry film - wet film) vendor surveillance
1970-1971: Laborer, machine operator, burner, fitter

NAME: Gott Alan R
(Last) (First) (I)

DATE: 2/18/81

ORGANIZATION: MIDLAND PROJECT QA

EMPLOYEE NO.: N/A

EDUCATION:

1973 - 1977: Grandville High School; Grandville, MI
1975 - 1977: Grand Rapids Junior College; Assoc Applied Science
1977 - 1979: Michigan Technological University; BSME

WORK HISTORY:

9/79 - 12/80: Goodyear Atomic Corporation, Piketon, OH; Project Engineer in Gas Centrifuge Uranium Enrichment Plant - Site Engineering Department; Part of a 15 member review and design team; Responsible to Project Manager for review and design of projects, quality assurance assessments, coordination of design changes between department, cost reduction, cost estimation; Responsible to Supervisor for safety analysis and relay of scheduling information for all projects in department.

5/78 - 8/78 & 5/77 - 8/77: Packaging Corporation of America, Div of Tenneco, Grand Rapids, MI; General Factory Worker.

NAME: GUENTENSBERGER, RONALD F
(Last) (First) (I)

DATE: 03/05/81

ORGANIZATION: MIDLAND PROJECT QA

EMPLOYEE NO.: NA

EDUCATION: 1964-1968 - Reavis High School, Burbank, IL
07/78-11/78 - Spartan School of Aeronautics, Tulsa, OK
(non-destructive testing)

WORK HISTORY: 1978-present - Conam Inspection, Itasca, IL

Performed NDE inspection at the following Nuclear
Power Plants in Illinois:

- Quad City, Dresden, Byron, Zion
(Commonwealth Edison System)

- Qualified Level II in the following:

- Visual Examination
- Magnetic Partical Testing
- Penetrant Testing
- Ultrasonic Testing
- Radiographic Testing

NAME: Koch Terry L
(Last) (First) (I)

DATE: 2/18/81

ORGANIZATION: MIDLAND PROJECT QA

EMPLOYEE NO.: 748508

EDUCATION:

1962: High School GED (USN)
1974-1975: San Jose City College; Major in Industrial Technology
1975-1976: Contra Costa College; Major in Nondestructive Testing
1977-1978: Athens State College; Major in Nondestructive Testing

WORK HISTORY:

7/80 - Pres: Bechtel National, Research & Eng Div; Engr Spec M&QS. NDT Level III PT, MT, RT, UT. Welding inspection procedures, training, certification, and consulting.

11/78 - 7/80: Lear Siegler Inc, Energy Products Div; Sr NDT Spec. NDT Level III & Navships Test Examiner PT, MT, RT, UT. Procedures training certification, and consulting.

2/74 - 11/78: General Electric Co, Installation and Service Engg Div; QC Supervisor. Implement requirements of northeast region QA manual during NGS outages, PSI & ISI NDT (Level II PT, MT, RT, UT) and Navships Test Examiner RT, MT, PT.

Nuclear Energy Div; NDT/QC Inspector. NDT Level II PT, RT. QC of Nuc Sensor Devices during fabrication.

12/72 - 2/74: M W Kellogg, Power Piping Div (Diablo Cyn NGS); NDT/QA Inspector. NDT Level II PT, MT, RT. QA and Welding Inspection during NCS Construction.

12/70 - 12/72: Boothe Mobile Insp Co (Et Al); NDT Inspector. NDT Level II PT, MT, RT, Level I UT. Lab & Field NDT of aircraft and petrochemical structures.

6/65 - 7/69: Stainless Steel Products Inc; Radiographic Tech "A". Equivalent to NDT Level II RT, PT. Film Interpretation Duties.

5/61 - 4/65 US Navy; Gunnersmate, Technician. Special weapons inspection and maintenance.

NAME: SCHULMEISTER, FRANK H.
(Last) (First) (I)

DATE: 2/20/81

ORGANIZATION: Midland Project Quality Assurance

EMPLOYEE NO.: 77944

EDUCATION:

- 1974: Hazel Park High School; Architecture
1979: Lawrence Institute of Technology; Associates Degree, Industrial Supervision

WORK HISTORY:

- 1/81 - 2/81: Pennsylvania Engineering Corporation; Pittsburgh, PA; Cost Budget Controller. Duties: Documenting and procuring all issued contracts, monitoring daily activities and procedures, budget forecasting and estimating labor, material and equipment quantities.
- 3/79 - 4/80: The McDevitt Company, Brighton, MI; General Superintendent/Estimator. Duties: Scheduling, supervise personnel, supervise and conduct all inspections, Quality Assurance, enforcing Quality Control, Specifications and Procedures, OSHA Standards, estimating and procuring total BID packages, expediting and reporting.
- 2/76 - 3/79: J.D. & M. Building Company, Dearborn, MI; Superintendent/Estimator. Duties: Same as McDevitt.
- 5/76 - 2/76: Max Sabaroff & Company Incorporated, Detroit, MI; Estimator/Purchaser. Duties: Quantity take-offs, procuring material specifications, purchasing.
- 8/74 - 5/75: E.R.B. Lumber Company, Birmingham, MI; Clerk/Draftsman. Duties: Shipping and receiving, drafting and purchasing.

NAME: SHAH, JAGDISH C.
(Last) (First) (I)

DATE: 3/6/81

ORGANIZATION: Midland Project Quality Assurance

EMPLOYEE NO.: 778081

EDUCATION:

- 1957-1963: The New Progressive High School, Mehsana, India; college prep; SSCE
1963-1969: M.S. University of Baroda, India; B.E. Civil
1970-1971: Brigham Young University, Provo, Utah; M. Eng - Civil
Specialization: Structural Engineering
Sanitary Engineering
Advanced Soil Mechanics
Foundation Engineering
Experimental Stress Analysis/Advanced Pre-stressed concrete
1978 Registered Professional Engineer in state of Michigan C #25373

WORK HISTORY:

- 1978-1981: McNamee, Porter & Seeley, Ann Arbor, MI; Resident Engineer;
Construction inspection; on-site caisson - supervision; reviews
of construction plans & specifications, Quality Assurance of concrete
& soils.
1976-1978: Reilly Construction Inc., New Hudson, MI; Project Manager; estimating
and quantity take-offs; construction and engineering of water & sewer
excavation, site development and earth moving projects.
1975-1976: M & B Contracting Corp, Novi, MI; Project Engineer; quantity take-offs,
summarizing bids, estimating/checking shop drawings, etc.
1973-1975: B & V Construction Inc., Novi, MI; Project Engineer; Cost Analysis
quantity take-offs; construction management of highways, flood control
facilities sewer, water mains, excavation & site development projects.
1971-1972: Pittsburgh Testing Laboratories, Cleveland, OH; Civil Engineer;
Quality Assurance of concrete & soils structures at Davis-Besse Nuclear
Power Plant construction at Oak Harbor, OH.
1970-1971: Brigham Young University, Provo, Utah; Engineering Technician,
Engineering and Design of advanced structural problems. Experimental
stress analysis nondestructive testing of structures; testing of
concrete.
1969-1970: Public Health Circle, Gujarat State, India; Junior Engineer, Design and
Construction; on the job training in design and construction of regula-
tory structures, water distribution and collection, preparing plans and
cost estimates of civil engineering projects.

BECHTEL QUALITY ASSURANCE/CONTROL

NAME: AUBERT, RICHARD S.
(Last) (First) (I)

DATE: 3/6/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 757823

EDUCATION:

- 1973-1974: Magruder High School, Rockville, MD
1974-1976: Pioneer High School, Ann Arbor, MI; diploma
1976-1980: University of Michigan, Ann Arbor, MI; College of Engineering
B.S. Engineering - Mechanical Engineering

WORK HISTORY:

- 1981 Bechtel Power Corp., Ann Arbor Power Division, Midland Jobsite
Quality Control Engineer, Piping and Mechanical
- 1980-1980: U.S. Army Corps of Engineers, Detroit District; Civil Engineering
Tech., Supervisor: Ron Wilshaw
Duties: surveying, river flow measurement, boat operation and
maintenance, data reduction and report writing.
- 1979-1979: U.S. Army Corps of Engineers, Detroit District, Civil Engineering
Tech. Supervisor: Jerry Nahas
Duties: surveying, river flow measurement, boat operation and
maintenance, data reduction and report writing.
- 1978-1978: U.S. Army Corps of Engineers, Detroit District, Civil Engineering
Tech. Supervisor: Jerry Nahas
Duties: surveying, river flow measurement, boat operation and
maintenance, data reduction and report writing.
- 1977-1977: U.S. Army Corps of Engineers, Detroit District, Engineering Aid
Supervisor: Robert Gregory
Duties: data reduction, office work and various odd jobs.
- 1977-1977: Sears Roebuck & Co., Automotive Department, Ann Arbor, MI
Supervisor: Lawrence Fitzgerald
Duties: supplying parts for mechanics, ordering out of stock parts
taking inventory, charging batteries, stocking sales floor,
organizing, arranging and maintaining stockroom.

NAME: BEVINS, FLOYD T
(Last) (First) (I)

DATE: 3/4/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 0384

EDUCATION:

1956-1960: Hesperia High School, Hesperia, MI; on the job training courses for 4 years in Air Force in Electronics and Quality Control on air craft.

WORK HISTORY:

- 1977-2/81: Commonwealth Association, Lead Inspector on transmission lines on NPPD project, 345 KV in Nebraska; CV project, 400 DC line in North Dakota and Minnesota.
- 1976-1977: L.E. Myers Co. (Saudi Arabia); Training and supervising local personnel and other nationalities in constructing transmission and distribution lines.
- 1975-1976: Midland Electric Co.; Lineman installing overhead and underground distribution; electrician in steel mill installing conduit, tray, switch gear, cadwelding, running wire and termination.
- 1973-1974: L.K. Comstock Co., electrician on Ferme, Unit II, Monroe, MI; running tray, wire, installing anchors, conduit, switchgear, cadwelding, and termination of wire.
- 1968-1973: L.E. Myers; Linesman working on transmission line; all phases.

NAME: BUNNELL DAVID D.
(Last) (First) (I)

DATE: 3/6/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 0739

EDUCATION:

- 1964-1967: Jackson High School, Jackson, MI; graduate
1968- Weapons and Munitions course, McConnell Air Force Base, Colorado

WORK HISTORY:

Background of over 7 years of electrical drafting and junior grade level sub-professional design for electrical substations, including wiring and instrument and control work.

Experience: Gilbert/Commonwealth since 1973

- 1977-1981: Designer responsible for electrical and civil/structural detailing for cable trays, cable routing for distribution systems, station layouts, sections and elevations, wiring diagrams, I & C drawings and grounding for Gulf States Utilities Company's Cypress 500 kV Substation and Goslin 230 kV Substation; City of Anderson, Indiana's Hazelwood and 53rd Street Substations; and U.S. DOE's Gas Centrifuge Expansion Project.
- 1973-1977: Draftsman responsible for preparation of detailed drawings from sketches and data provided by Senior Designers and Engineers for Iowa Public Service Company's Raun, Duck Creek and Tazewell 345 kV Substations and U.S. DOE's Cascades Upgrading Project.
- 1968-1972: United States Air Force; Sergeant - weapons and munitions. Served at Lackland Air Force Base, Texas; Shaw Air Force Base, Kansas; Sumter Air Force Base, South Carolina; Thailand and Viet Nam.

NAME: CHAPMAN, ROBERT N.
(Last) (First) (1)

DATE: 3/9/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 757978

EDUCATION:

1947-1950: Midland High School, Midland, MI
1951 Michigan Technological University

WORK HISTORY:

1981-1981: Bechtel Quality Control Engineer; inspect hangers (January, 1981-present)
1972-1980: Engineering Projects Supervisor for design and specifications for various projects and taking them through construction, including some inspection; Dow Chemical Co., Michigan Division.
1962-1972: Fire Protection Engineer specifying fire protection requirements for all buildings in Michigan Division and acting as liaison between Dow and the insurance carrier. Some inspection work.
1960-1962: Site Project Engineer doing Quality Control work; Dow Chemical Co.
1951-1960: Design Engineer doing piping layout and design and equipment layout and design; Dow Chemical Co.

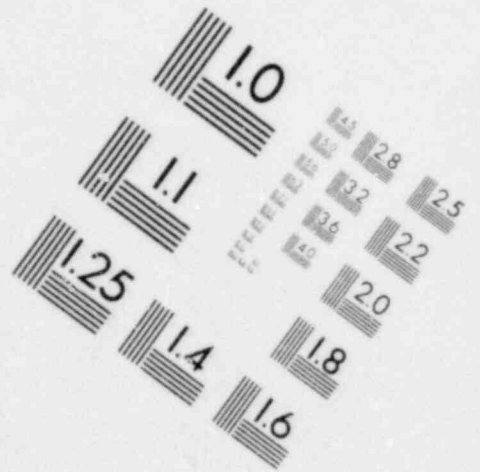
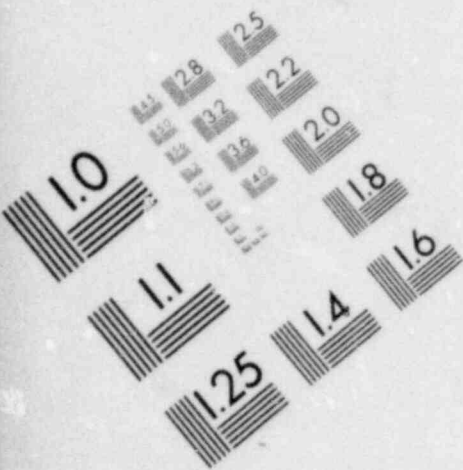
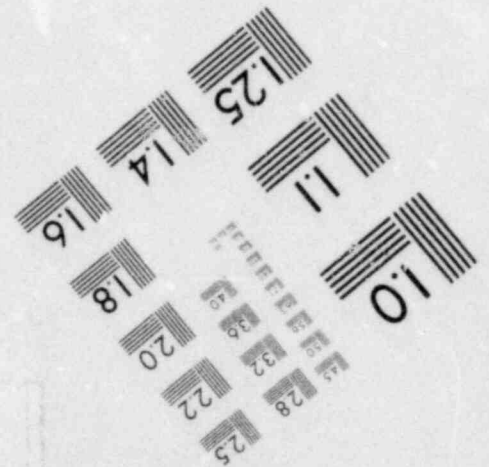
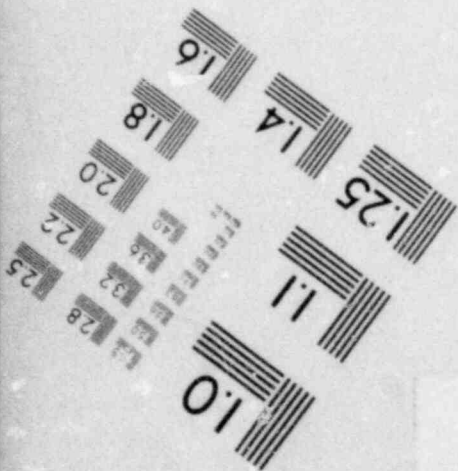
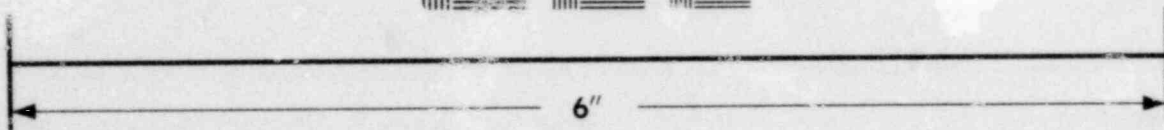
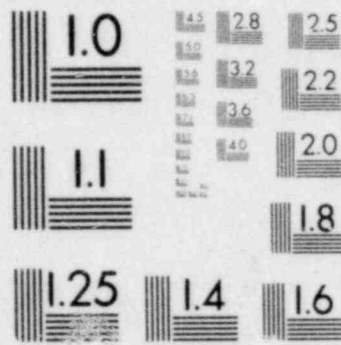


IMAGE EVALUATION
TEST TARGET (MT-3)



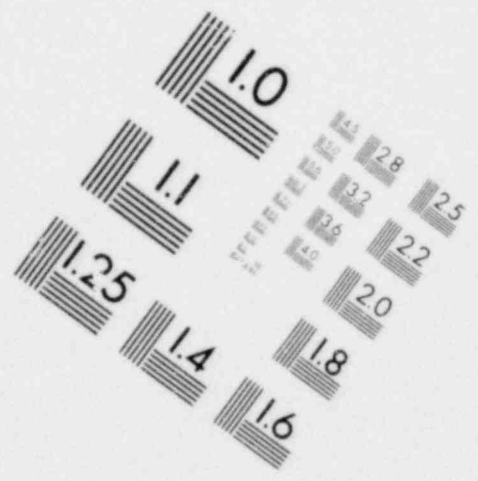
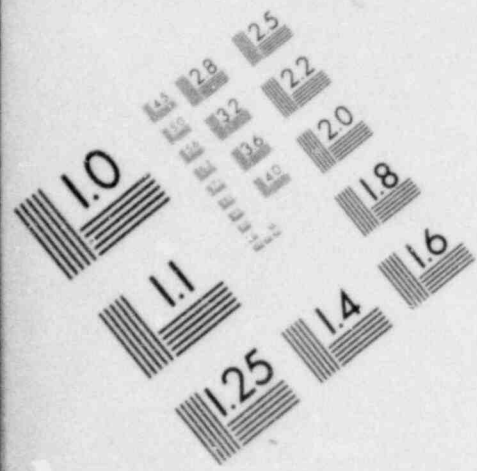
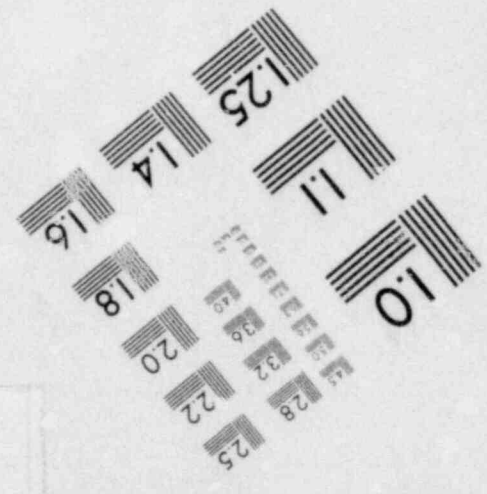
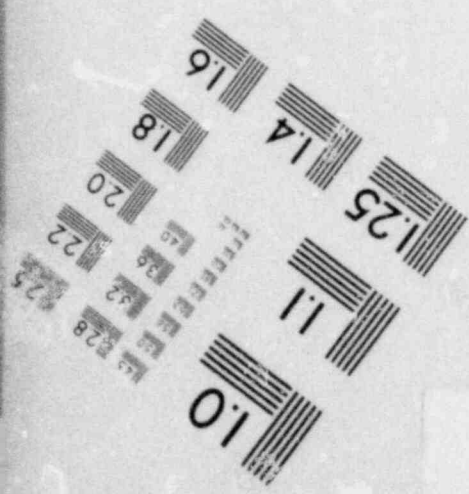
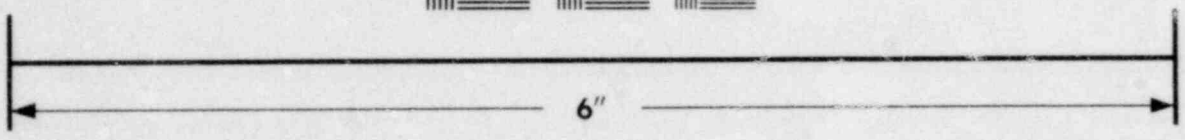
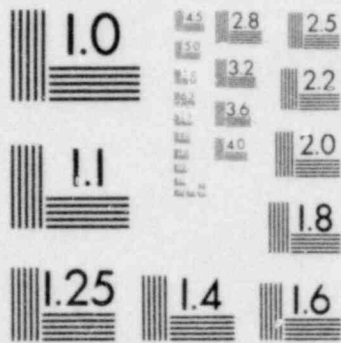


IMAGE EVALUATION
TEST TARGET (MT-3)



NAME: DAKE, GARY L.
(Last) (First) (I)

DATE: 3/4/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 373-56-8632

EDUCATION:

1966-1970: E. J. High School, Jackson, MI

WORK HISTORY:

3/78-1981: Consumers Power Co., Senior draftsman engineering discipline
Electrical Engineering distribution substation design section
Responsible for design substations, property plans, PD & WD
schematic, estimate GWO, order material for construction, bill of
material, work in field with construction sometimes to correct
problems they encounter in the field and check work of lower
rated employees, electrical layouts, foundation layouts, subsigns,
etc.

4/71-3/78: Consumers Power Co., Junior draftsman
Electrical Engineering distribution mapping section
Responsible for mapped overhead and underground distribution and
equipment, tax code, site lighting, fuse and load and blank maps;
check work of lower rated employees

Worked 5 weeks at Palisades plant for RAD project 1976 during
shutdown.

NAME: FULCHER, BRYANT D.
(Last) (First) (I)

DATE: 2/20/81

ORGANIZATION: Bechtel Quality Assurance

EMPLOYEE NO.: 777936

EDUCATION: 1941: Lockport High, Lockport, NY; Mechanical/Technical; Educational Training has been completed in categories, ICS (Correspondence Schools), A.S.Q.C. and other professional societies training; company sponsored training schools and Institutional programs.

WORK HISTORY:

- 1972-1980: Colt Industries; Quincy Division, Quincy, IL; QA Manager
- 1969-1972: General Electric Aircraft Engine Grp., Lynn MA/Evendale, OH; FQAR/FPCE
(Field Quality Assurance Representative/Field Process Control Engineer)
- 1967-1969: McDonnell-Douglas Astronautics Div., Santa Monica, CA; Reliability Field Assurance Representative
- 1962-1968: Boeing Aircraft, Morton, PA; Quality Field Representative and Senior Quality Analyst.
- 1957-1962: Fulchers Kendall Service; self-employed
- 1954-1957: Twin Coach Aircraft; Buffalo, NY; Installation and Service Manager
- 1950-1954: Bell Aircraft, Buffalo, NY; Machinist (Gears)
- 1948-1950: Alsco Alum; Lockport, NY; Installation and Service Manager
- 1941-1948: Harrison Radiator Div. GMC; Lockport, NY; Receiving Inspection &
- 1941-1941: Chevrolet Motor & Axle Div., Tonawanda, NY; Receiving Inspection & Test Cell Inspection. (Transfer to H.R.D. of GMC.)
- 1938-1941: Dittmer Gear; Lockport, NY; Machinist (Apprentice program)

NAME: HILL, CHARLES
(Last) (First) (I)

DATE: 2/20/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 758155

EDUCATION:

- 1943-1947: Brandon High School, Motherwell, Scotland
1968-1969: Government Training Centre (Engineering)
1974 Magnaflux Corp Chicago NDT Course 40 Hrs.

WORK HISTORY:

- 1980-1981: U.S. Testing - St. Lucie II Nuclear Plant Florida, QC Inspection Level II; Visual, welding and piping, magnetic particle, and liquid penetrant, weld inspection of piping and restraints; April through January, 1981.
- 1979 NDTs Power Systems - DC Cook Nuclear Pridgman, MI. QC Welding Inspector Level II - Performed duties in all areas of plant on outage repair Unit #2 from start to final package turnover to Indiana & Michigan Electric. (September - December)
- 1978-1979: Wismer and Becker - Enrico Fermi Nuclear Newport, MI. QC Welding Inspector Level II, performed duties in all areas of plant, working to ASME, ANIS, AWS, ASTM, 10CFR50 Codes. (August, 1978 - June, 1979)
- 1972-1978: Magnaflux Corp. De Cook Nuclear Plant Bridgman, MI. Level II; MT and PT and assistant radiographer, worked in all areas of plant and on all critical systems, also worked in-service inspection in 9 different Nuclear Power plants throughout the country for Westinghouse, General Electric, Commonwealth Edison, Philadelphia Power & Light, Consumers Power, Indiana & Michigan Electric. (February, 1972 - March, 1978)
- 1969-1971: Benton Harbor Engineering, Benton Harbor, MI. Setting/operating milling machines working to fine tolerances with prints and using vernier tools to ensure quality work for Hydraulic Equipment Companies throughout United States. (July, 1969 - August, 1971)
- 1957-1968: Miller Construction Co. - Scotland. Worked in construction of building steel strip mill, also melting furnace maintenance and repair. (May, 1957 - December, 1968)
- 1949-1957: Royal Navy - Engineering/Mech. I worked in boiler and engine rooms, also assisted in engine and boiler repairs with engine room artificers. (September, 1949 - March, 1957)

NAME: HURON, RANDY C.
(Last) (First) (I)

DATE: 3/4/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 757475

EDUCATION:

1968-1972: Robert E. Lee High School
1972-1974: Lee College; Liberal Arts
1974-1980: Texas A & M; B.S. Building Construction

WORK HISTORY:

6/76-8/76: Fullco Inc., Engineering Assistant
Worked directly for general foreman in forming pre-fabs on a fossil fired 200 MW power plant; read plans and blueprints for fabrication.

6/75-8/75: Brown & Root, Inc., Engineering Assistant
Worked directly with civil engineering; survey work associated with concrete forming and installation; reviewed drawings and engineering specifications for proper installation of structural steel installations for building erections.

6/74-8/74: Triple B Co p., Engineering Assistant
Surveying, interpreting drawings for proper installation of civil type work. Witnessed sampling and verified proper installation per engineering specifications.

NAME: KNOTT, JOHN L.
(Last) (First) (I)

DATE: 3/8/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 4737

EDUCATION:

- 1944 Royal Oak High School (Summer school) Royal Oak, MI
- 1944-1948: Ithaca High School, Ithaca, MI; diploma
- 1948-1949: Central Michigan, Mt. Pleasant, MI; Lab tech course
- 1949-1950: Alma College, Alma, MI; no degree
- 1950-1952: Deforest Training (DeVry) degree of science & technology

WORK HISTORY:

- 1981 Bechtel QA Gilbert/Commonwealth - Consumers
Working for Gilbert/Commonwealth; contracted to Consumers Power;
Loaned to Bechtel as an inspector in QC.
- 1979-1980: Gilbert/Commonwealth, Nebraska; Inspector for Nebraska Public Power
District in material handling, clipping, spacing, jumpers, sagging,
boxing, & erection of towers, spotting water bars & cross ditches
right of way clearing and restoration.
- 1978-1979: Gilbert/Commonwealth, North Dakota & Minnesota; Inspector for
CPA-UPA tracing wire in the control room, tower foundations in swamps
installation of a neutral cathode ground system of A ± 400 kV D.C.
line, ground resistance tests.
- 1977-1978: Gilbert/Commonwealth, Paducah, Kentucky; Union Carbide Uranium up-
grading plant; inspector of cable pulling, termination, hypotting,
meggering & misc. substation inspection work.
- 1977 Gilbert/Commonwealth, Michigan; Designer for Detroit Edison on blow-
down tanks.
- 1974-1976: Misc. Design work at Gilbert/Commonwealth office "Q" cleared area
for cascade upgrading project of three uranium upgrading plants in
Paducah, KY; Oak Ridge, Tennessee; & Portsmouth, OH. Also included
survey work in North Dakota at the coal creek plant.
- 1970-1973: Designer transmission and substation departments, CPM (Critical Path)
Took radio, TVI, and audio readings along transmission lines;
tested relays and circuit breakers; survey work.
- 1964-1969: Transmission Department; checked tower design, spotting towers;
made sag expansion charts and computer programs for sag charts; took
radio influence surveys in Indiana, Arkansas, Mississippi, Louisiana
and Texas.
- 1963 Sparton Electronics, Jackson, MI; testing sonobuoys and making test
equipment to test sonobuoys.

DATE: 3/8/81

NAME: KNOTT, JOHN L.
(Last) (First) (I)

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 4737

EDUCATION:

WORK HISTORY:

- 1958-1963: Self employed, gas station, grocery store, repairing television and painting barns.
- 1956-1958: Telephone Engineer for Western Electric, Cicero, IL; working on the expansion of telephone offices in the Los Angeles, California area choosing equipment designs and wire hook-ups for installers.
- 1955-1956: Bell Labs, Alaska; Radician; Radar Technician; one of five people to run a radar station on the DEW (Distant Early Warning) line which includes keeping 4-60KW diesel generators running.
- 1952-1954: Western Electric, Cicero, IL; testing An/Arc 27 transmitters and receivers.
- 1950-1951: Standard Transformer Corporation (Stancor); foreman of an assembly line building transformers.
- 1950 Misc. part-time jobs while attending school.

NAME: LEWIS, JAMES N
(Last) (First) (I)

DATE: 3/4/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 757937

EDUCATION:

- 1972-1976: Monroe Central High School, Parker City, Indiana
1976-1980: Purdue University: B.S. Engineering (Construction)

WORK HISTORY:

- May 1980-August 1980: Indiana Construction Corp., Assist. Project Engineer
Overseeing of construction activities and management of
labor forces.
- May 1979-August 1979: Indiana Construction Corp., Field Engineer
Setting of building bench marks and building control work
points. Design of stormwater run-off system.
- May 1978-August 1978: Indiana Construction Corp., Construction Engineer
Various office engineering duties
- May 1977-August 1977: Indiana Construction Corp., Field Engineer
Charge of concrete test cylinders and field time sheets.
- May 1976-August 1976: Lewis Construction Co., Carpenter
- May 1975-August 1975: Lewis Construction Co., Carpenter
- May 1974-August 1974: Lewis Construction Co., Carpenter
- May 1973-August 1973: Lewis Construction Co., Carpenter

NAME: ORR, MICHAEL H.
 (Last) (First) (I)

DATE: 3/9/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 758163

EDUCATION:

- 1963-1967: Manistique High School, Manistique, MI; diploma
- 1967-1968: Western Michigan University, Kalamazoo, MI; no degree

WORK HISTORY:

- 1980-1981: General Tire Chemical Plastics Division; Millwright; maintenance, repair and erection of 2000 ton hydraulic presses; resin mix equipment and boiler plant.
- 1979-1980: Warner Fiberglass Products, Inc., Millwright; design and construction of tank mold turning fixtures and equipment and resin injection equipment.
- 1979-1979: Self-employed and G. Fare Concrete Construction; heavy equipment mechanic and operator of land clearing and excavation jobs; job bidding estimating, and scheduling.
- 1976-1979: F. Jensen Chevrolet, Inc., parts and service manager.
- 1973-1975: Manistique Rentals, Manistique; Manistique Saw and Planing; G. Slining Excavating Earthmoving and Logging Equipment, Maintenance and operation.
- 1969-1973: U.S. Air Force; Helicopter Mechanic/Crew Chief; inspect and repair helicopters and mid-air recovery systems.

NAME: RHEINHARDT, JERRY W
(Last) (First) (I)

DATE: 3/6/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 757904

EDUCATION:

- 1956-1960: Mt. Vernon High School, Mt. Vernon, Indiana; diploma
- 1960-1961: Military training in pneumatics, hydraulics, aerodynamics, computer logic, precision optics, flight control systems, guidance theory including gyro theory etc., Missile systems analyst training.
- 1974-1977: University of Evansville, Evansville, Indiana; 2 years of study pursuing Bachelors of Liberal studies.

WORK HISTORY:

- 1980-1980: Science Applications, Inc., Independent consultant assigned to QC group for Toledo Edison at Davis Besse No. 1. April - November, 1980.
- 1978-1980: Babcock and Wilcox Construction Co., Assistant QC supervisor at Midland, MI
- 1977-1978: Midwestern Distributing Co. and Signal Delivery Service; truck driver, border to border and coast to coast.
- 1977-1977: Mercury Metal Products, Inc., Foreman; metal forming and stamping, dip stick and guide tube department.
- 1974-1976: Babcock and Wilcox Co., Inc., Layout man; nuclear component fabrication; dispatcher for production control and contract sponsor.
- 1967-1974: Eastman Kodak Co., Service representative for micrographics division and roller transport division.
- 1964-1967: George Koch and Sons, Inc., Machine operator, then layout man for prefab. of structural steel.
- 1960-1964: U.S. Air Force; Missile Systems Analyst on AGM-288 (Hound Dog missile).

NAME: SMITH, SHAUNA K.
(Last) (First) (I)

DATE: 3/10/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 664592

EDUCATION:

- 1971-1976: Worthing High School, Worthing, Sussex, England
1976-1978: Worthing College of Technology, Worthing, Sussex, England; ordinary national diploma in technology (engineering)
1978-1979: University of Surrey, Guildford, Surrey, England; B.S. (Hons) Civil Engineering (First year)
1979-1981: Michigan State University, East Lansing, MI; B.S. Civil Engineering (Second and Third years, including one year of co-operative education)

WORK HISTORY:

- 1981-1981: Bechtel Power, Midland Jobsite, QCE Electrical; certified in inspection of anchor bolts and cable pulling, co-operative education student.
January - present
1980-1981: Bechtel Power, Ann Arbor office, Project/Engineering; planner, schedule preparation including calculations, drafting, printing, distribution, etc., co-op student, 4/80-9/80 & 12/80-1/81.
1980-1980: J. T. Mackley & Co., LTD; Assistant site engineer, part of a survey team during the construction of sewage treatment project, summer hire, 6/80-9/80.
1979-1979: J. T. Mackley & Co., LTD; draftsman, updating and combining drawings, keeping records to cube tests, involved in preparation of bills of quantity, bending schedules, minor design, surveying notes, etc., summer hire, 6/79-9/79.

NAME: SPINKS, CHARLES L.
(Last) (First) (I)

DATE: 3/9/81

ORGANIZATION: Bechtel Quality Control

EMPLOYEE NO.: 595767

EDUCATION:

- 1951-1955: Fair Park High School, Shreveport, LA
- 1960-1961: U.S. Army Nuclear Power Plant Operators Course; Ft. Belvoir, VA
Military/Vendor training - Hi Voltage cable splicing, GE Protective
device maintenance and calibration, multi-amp inst., power systems
protection coordination, multi-amp inst., Facilities Engineering
Management, U.S. Army Management School; Family Housing Management
U.S. Army Management School; Pole line construction, U.S. Army
Engineer School; Pole line design, U.S. Navy Seabree Schools,
Radiological Protection Officer course; U.S. Army Chemical School
Quality Assurance Program Management, U.S. Army Management School
- 1980-1980: Student University of Texas, El Paso (August - December, 1980)

WORK HISTORY:

- 1980-1980: Electrical QC Inspector Davis Besse NPS, Toledo Edison Co., inspected
April - and verified station electrical and instrumentation maintenance and
July calibration tests and procedures for required in-service inspections
during refueling.
- 1978-1980: Electrical QCE, Bechtel, Midland; certified level I in all PQCIs.
Worked as QCE through June, 1979. Worked as discipline T/O coordinator
July through December, 1979. Worked as QC T/O coordinator January
through March, 1980.
- 1960-1978: U.S. Army Nuclear Power Program; qualified as 1st and 2nd class
operator prior to certification as shift supervisor; majority of
utilization during military career was in inspection and inspection
management of plant electrical systems/equipment installations during
construction of new Army nuclear power plants and modifications to
existing plants. Also utilized as Electrical Shop Supervisor in
numerous Army plants and as Senior Instructor in Electrical Specialty
training of the Operator/Maintenance Specialty Course, U.S. Army
Nuclear Power Program.

PROJECT MANAGEMENT OFFICE

NAME: Tselepis Arthur J
(Last) (First) (I)

DATE: 2/18/81

ORGANIZATION: PROJECT MANAGEMENT OFFICE
(COATING CONSULTANT)

EMPLOYEE NO.: N/A

EDUCATION:

- 1972 - 1974: Parkway West Area Technical School, Oakdale, PA - Graduated with a Certificate of Achievement in Research Laboratory Technology.
- 1974 - 1976: Pennsylvania State University, Beaver, PA Campus - Majoring in Chemistry.
- 1976 - 1978: University of Pittsburgh - Majoring in Chemistry (Degree incomplete)

WORK HISTORY:

Prior to employment with KTA in August 1978, Mr Tselepis worked as an Intermediate Laboratory Technician in the Coatings Division of Mobil Chemical Corporation (May 1976 to August 1978). This provided him with a substantial background in protective coatings.

As a KTA employee, Mr Tselepis has gained considerable experience in the inspection of coatings applied to nuclear and non-nuclear facilities as follows:

- Nuclear: August 1973 - April 1979: Shoreham Nuclear Station, Wading River, NY
Oct 1979 - Feb 1980: Beaver Valley Unit II, Shippingport, PA
Feb 1980 (1 week): Enrico Fermi, Monroe, MI
Feb 1980 - Present: Shoreham Nuclear Station, Wading River, NY

Mr Arthur Tselepis was certified at a Level II coatings inspection capability in accordance with ANSI N45.2.6 on October 5, 1979.

- Non-Nuclear: May - June 1979: Ormet Aluminum Co, Hannibal, OH
June, Aug 1979: Standard Pipe, Kearny, NJ
July 1979: Monroeville Park Tank, Monroeville, PA
July 1979: Intercontinental Terminals Co, Houston, TX
Aug - Sept 1979: Republic Steel, Cleveland, OH

QUARTERLY REPORT

APRIL 1981 THROUGH JUNE 1981

PROJECT WORK SCHEDULE

1. Complete the installation of the tilt mechanism in the Auxiliary Building fuel pool.
2. Continue the installation of missile shielding throughout the Auxiliary Building.
3. Continue the installation of piping, hangers and raceway throughout the Auxiliary Building.
4. Start fire-proofing in the Control Access Area of the Auxiliary Building and Evaporator Building.
5. Begin fuel pool hydro in the new and spent fuel pools.
6. Complete the installation of the fuel racks and the storage stand base in Containment #2.
7. Continue the installation of piping, hangers and raceway in Containment #1 and #2.
8. Start Reactor Vessel Closure Head.
9. Start upending transfer cars Unit #1.
10. Start installation of RC pump snubbers in Unit #1.
11. Start Fuel Racks and Storage Arm assemblies in Unit #2.
12. Complete upended transfer cars Unit #2.
13. Continue the installation of piping, hangers and raceway throughout the Yard facilities.
14. Continue the installation of piping, hangers and raceway throughout the Turbine Building.
15. Complete setting mechanical and electrical equipment in the Diesel Generator Building.
16. Complete setting mechanical and electrical equipment in the bottom portion of the Dow Condensate pumphouse.
17. Complete installation of pipe and raceway in the Dow Pump structure.

QUARTERLY REPORT

APRIL 1981 THROUGH JUNE 1981

PROJECT WORK SCHEDULE

18. Complete Settlement Test on Tank Farm.
19. Start Calibration Facility.
20. Complete Cooling Tower structure in Yard.
21. Continue the installation of electrical wire and cable.
22. Continue the installation of HVAC duct and supports in all areas.