

January 16, 1986

MEMORANDUM FOR: E. C. Marinos, Acting Manager  
Systems/Operational Group  
Comanche Peak Project

FROM: J. L. Knox  
Review Support Group  
Systems/Operational Group  
Comanche Peak Project

SUBJECT: TRIP REPORT - DESIGN ACTIVITY HOMOGENEITY  
DOCUMENTATION AUDIT, COMANCHE PEAK PROJECT

On December 2 and 3, 1985 representatives of the NRC visited the TERA offices in Bethesda, Maryland to audit the documentation TERA had on file to support an initial level of homogeneity for Design Activities. The scope of the Design Adequacy Program (DAP) plan stated that each Design Activity exhibits five elements of homogeneity. These elements are:

- 1) Similar design criteria,
- 2) Similar design methodology,
- 3) Consistent design process control procedures throughout the design,
- 4) Single organization, and
- 5) Consistent design interfaces throughout the design effort.

Additionally, the audit was to review the occupants of Design Activities and discuss the process for selecting occupants to be inspected and review the procedure (DAP-21) that will be implemented to validate homogeneity for each Design Activity.

During the audit the following discussions took place and documents were reviewed:

1. An introductory discussion pertaining to the documentation that will be reviewed was held.
2. The G&H calculation and specification lists cross-referenced to the applicable Design Activities was reviewed as the documentation basis for occupants of design activities.
3. A discussion was held within the Mechanical discipline group pertaining to the homogeneity element of methodology. No documentation in the form of technical design instructions or standards were offered for review. The discussion revolved around the rationale that the Design Activities were of such a narrow scope that a variation in methodology could not exist.

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It was further discussed that the design criteria contained methodology; but, no documentation was presented in support of this contention.

4. TERA presented correspondence from G&H that showed a consistent project organization over the design period. These documents were reviewed. This information was also presented as the basis for consistent project design interfaces.
5. In the area of design process control, corporate G&H procedures for design control (DC-1 thru -13) and project control (PC-1 thru -9) were reviewed. These procedures set forth prescriptive instructions for the project to develop certain technical design documents (i.e. Design Descriptions and Interfaces). These procedures also control the approach to performing calculations. At the time of this audit TERA did not present any of the items that were developed by these procedures for the Comanche Peak Project.
6. A discussion was held concerning the utilization of the DAP procedure (DAP-21) for validation of homogeneity for each Design Activity. Assuming an initial level of homogeneity the procedure requires the selection of five occupants of each Design Activity equally spaced in time (over the design period). These samples will be scanned for consistency of criteria, methodology and application of design control procedures. The other two elements of homogeneity (organization, interfaces) will be validated on a programmatic basis. If homogeneity cannot be validated the Design Activity will be broken down into smaller Design Activities that possess homogeneity or there will be 100% inspection of the occupants.
7. A discussion was held concerning the process for selecting occupants for inspection. The discussion entailed a concern for triviality, e.g. if the occupant within the AFW system presents a trivial case, another more complex occupant would be selected from another system.
8. TERA declared their intent to exclude prequalified design agents and suppliers, such as Westinghouse from the HDA review process. The basis for this position was that these agents have demonstrated satisfactory paper controls and QA/QC practices in other projects. This should comprise satisfactory product. These selections would be documented in an Engineering Evaluation.
9. A brief discussion was held concerning the situation where Westinghouse has design responsibility for a safety system. The responsibility is typical to what an A/E has for approving the adequacy of construction documents by Proof-of-Design calculations. It was indicated that on Comanche Peak, Westinghouse has this type of responsibility for the Chemical and Volume Control system (CVCS) and the Residual Heat Removal system (RHR). The question posed to TERA during the discussion was should

not Westinghouse in this instance be considered as an "Other" design agency for separate inspection or if not, should not there be a documented explanation of why not. It was noted that this needed to be pursued further.

- 10. In the electrical engineering and control and instrumentation disciplines a number of design information documents were sighted exhibiting methodology. These covered subjects on cable sizing, generator short circuit current contribution, circuit breaker selection, instrumentation and control diagram development, and generator loss of field protection. Also, several electrical engineering calculations were performed by use of computer programs. The related computer program user guides or instructions were not sighted.
- 11. In the civil and structural discipline a number of G&H design documents were presented which appeared to exhibit methodology.

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John L. Knox  
Review Support Group  
Systems/Operational Group  
Comanche Peak Project

- cc: V. Noonan
- C. Trammell
- A. Vietti-Cook
- L. Shao
- J. Calvo
- E. Tomlinson
- J. Knox

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U. S. NUCLEAR REGULATORY COMMISSION

DCS PARTIAL RECORD FORMAT REPORT

8507170447 Trip rept of 850208 site visit to inspect unused holes in cable tray support flanges, to locate cantilevered horizontal plate attached to containment liner plate & to inspect & gather info on elastic joint filler.  
 FROM: LIPINSKI, R.E. Comanche Peak Project (Technical Review Team)  
 TO: Comanche Peak Project (Technical Review Team)  
 ISSUED: 850305 AVAIL: CF 4pp. DOCUMENT TYPE: CNTRIP FPAC: 8507170436A  
 TASK: ODDID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 67966 188 67966 191 RIDS: D0261

8507170447 XA Trip rept of 850208 site visit to inspect unused holes in cable tray support flanges, to locate cantilevered horizontal plate attached to containment liner plate & to inspect & gather info on elastic joint filler.  
 FROM: LIPINSKI, R.E. Comanche Peak Project (Technical Review Team)  
 TO: Comanche Peak Project (Technical Review Team)  
 ISSUED: 850305 AVAIL: PDR 4pp. DOCUMENT TYPE: CNTRIP FPAC: 8507170447  
 TASK: ODDID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 67966 188 67966 191 RIDS: D0261

*See 8508220466*

8508220466 Trip rept of 850805-09 site visit re quality of const & QA/QC adequacy program plan, S&W piping & pipe support analysis program, Ebasco cable tray & conduit reanalysis & integrated safety assessment program.  
 FROM: HAUGHNEY, C.J. Comanche Peak Project (Technical Review Team)  
 TO: NOONAN, V.S. Comanche Peak Project (Technical Review Team)  
 ISSUED: 850815 AVAIL: CF 5pp. DOCUMENT TYPE: CNTRIP FPAC: 8508220462A  
 TASK: ODDID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 68032 203 68032 207 RIDS: D0261

8508220466 XA Trip rept of 850805-09 site visit re quality of const & QA/QC adequacy program plan, S&W piping & pipe support analysis program, Ebasco cable tray & conduit reanalysis & integrated safety assessment program.  
 FROM: HAUGHNEY, C.J. Comanche Peak Project (Technical Review Team)  
 TO: NOONAN, V.S. Comanche Peak Project (Technical Review Team)  
 ISSUED: 850815 AVAIL: PDR 5pp. DOCUMENT TYPE: CNTRIP FPAC: 8508220466  
 TASK: ODDID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34338 162 34338 166 RIDS: D0261

*See 8510310452*

8510310452 Trip rept of 850910-12 site visit re Integrated Safety Assessment Program, Topic 1.0.1 & impact of SSER 11 on electrical & instrumentation action items identified in SSER 7, Exit interview rept encl.  
 FROM: TOMLINSON, E.B. Comanche Peak Project (Technical Review Team)  
 TO: CALVO, J.A. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851025 AVAIL: CF 5pp. DOCUMENT TYPE: CNTRIP FPAC: 8510310452  
 TASK: ODDID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 68131 027 68131 031 RIDS: D0261

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DCS PARTIAL RECORD FORMAT REPORT

8510310452 XA Trip rept of 850910-12 site visit re Integrated Safety Assessment Program, Topic 1.0.1 & impact of SSER 11 on electrical & instrumentation action items identified in SSER 7. Exit interview rept encl.  
 FROM: TOMLINSON, E.B. Comanche Peak Project (Technical Review Team)  
 TO: CALVO, J.A. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851025 AVAIL: PDR 5pp. DOCUMENT TYPE: CNTRIP FPAC: 8510310452  
 TASK: ODIID: FORMAL REPT NO:  
 DOCKET NO: 05000445 FICHE: 34346 285 34346 288 RIDS: 00260

8511040496 Trip rept of 831129-30 site visit statistical analysis of backfit insp program.

FROM: ABRAMSON, L. Management Support Branch  
 TO: CLARK, J.W. Management Support Branch  
 ISSUED: 831220 AVAIL: PDR 4pp. DOCUMENT TYPE: CNTRIP FPAC: 8511040143A  
 TASK: ODIID: FORMAL REPT NO:  
 DOCKET NO: 05000000 05000445 05000446 FICHE: 33474 277 33474 280 RIDS:

8511110361 Trip rept of 850827-29 site visit w/util & contractors re witnessing of Unit 1 cable tray supports walkdown in progress & collection of info concerning new allegations.

FROM: LIPINSKI, R.E. Comanche Peak Project (Technical Review Team)  
 TO: Comanche Peak Project (Technical Review Team)  
 ISSUED: 851024 AVAIL: CF 1p. DOCUMENT TYPE: CNTRIP FPAC: 8511110361  
 TASK: ODIID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 68148 253 68148 253 RIDS: 00260

8511110361 XA Trip rept of 850827-29 site visit w/util & contractors re witnessing of Unit 1 cable tray supports walkdown in progress & collection of info concerning new allegations.

FROM: LIPINSKI, R.E. Comanche Peak Project (Technical Review Team)  
 TO: Comanche Peak Project (Technical Review Team)  
 ISSUED: 851024 AVAIL: PDR 1p. DOCUMENT TYPE: CNTRIP FPAC: 8511110361  
 TASK: ODIID: FORMAL REPT NO:  
 DOCKET NO: 05000445 FICHE: 34327 340 34327 340 RIDS:

8601060428 Trip rept of 851009-10, 15-17 & 28-31 site visits re methodology used by applicant/contractor in establishing equipment populations & equipment/work processes homogeneity.

FROM: TOMLINSON, E.B. Comanche Peak Project (Technical Review Team)  
 TO: CALVO, J.A. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851218 AVAIL: CF 3pp. DOCUMENT TYPE: CNTRIP FPAC: 8601060428  
 TASK: ODIID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 68230 116 68230 118 RIDS: 0026L

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## DCS PARTIAL RECORD FORMAT REPORT

- 8601060428 XA Trip rept of 851009-10,15-17 & 28-31 site visits re methodology used by applicant/contractor in establishing equipment populations & equipment/work processes homogeneity.  
 FROM: TOMLINSON, E.B. Comanche Peak Project (Technical Review Team)  
 TO: CALVO, J.A. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851218 AVAIL: PDR 3pp. DOCUMENT TYPE: CNTRIP FPAC: 8601060428  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34351 254 34351 255 RIUS: 0026L
- 8601210121 Draft Trip Rept 2178 of 851029-31 site visit re Item VII.C, const reinsp/documentation review plan.  
 FROM: FLAHERTY, J.A. Teledyne Engineering Services  
 TO: Teledyne Engineering Services  
 ISSUED: 851121 AVAIL: PDR 8pp. DOCUMENT TYPE: CNTRIP FPAC: 8601210115A  
 TASK: ODID: FORMAL REPT NO: 2178 DRFT  
 DOCKET NO: 05000445 05000446 FICHE: 34298 299 34298 306 RIUS:
- 8601220256 Trip rept of 850829-30 visit w/util & Teledyne at S&W ofcs in New York, NY re status of S&W effort concerning design adequacy program for plant piping & pipe supports. Lists of attendees, agenda & util action plan encl.  
 FROM: SHAO, L. Comanche Peak Project (Technical Review Team)  
 TO: NOONAN, V. Comanche Peak Project (Technical Review Team)  
 ISSUED: 850910 AVAIL: PDR 6pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220256\*  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34333 191 34333 204 RIUS: 0026L
- 8601220351 Trip rept of 851008 visit to Gibbs & Hill ofc in New York, NY re audit of ADLPIPE computer code used in piping analysis. Allegation AP-26 questioning validity of code verification & QA maint unsubstantiated. Agenda encl.  
 FROM: HOU, S.N. Comanche Peak Project (Technical Review Team)  
 TO: SHAO, L.C. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851022 AVAIL: PDR 2pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220351\*  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34333 265 34333 269 RIUS: 0026L
- 8601220360 Trip rept of 851008 visit to Gibbs & Hill ofc re followup on Allegation A-26 that ADLPIPE computer program not validated. Attendance list encl.  
 FROM: MASTERSON, R. Comanche Peak Project (Technical Review Team)  
 TO: HOU, S. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851011 AVAIL: PDR 2pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220351A  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34333 267 34333 269 RIUS:



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## DCS PARTIAL RECORD FORMAT REPORT

- 8601220375 Trip rept of 851014-18 site visit re status of Comanche Peak Response Team verification & corrective action activities by S&W, Ebasco & TERA, QA/QC const verification effort & action plan implementation.  
 FROM: KESHISHIAN, P. Comanche Peak Project (Technical Review Team)  
 TO: NOONAN, V.S. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851022 AVAIL: PDR 10pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220366A  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34333 271 34333 280 RIDS:
- 8601220464 Trip rept of 851126 audit discussions per slenderness ratio limitations for hanger type supports, Ebasco Svcs, Inc considering adoption of revised procedure. Slenderness ratios should be used only where uncertainties exist.  
 FROM: REICH, M. Brookhaven National Laboratory  
 TO: SHAO, L. NRC - No Detailed Affiliation Given  
 ISSUED: 851205 AVAIL: PDR 3pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220461A  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34334 207 34334 209 RIDS:
- 8601220467 Trip rept of 851011 audit w/util, TERA & Comanche Peak Response Team. List of attendees encl. Meeting between TERA & BNL consultants will be held to discuss steam generator lateral restraints.  
 FROM: LIPINSKI, R. Comanche Peak Project (Technical Review Team)  
 TO: Comanche Peak Project (Technical Review Team)  
 ISSUED: 851202 AVAIL: PDR 6pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220461B  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34334 210 34334 215 RIDS:
- 8601220492 Trip rept of 851113-14 visit to Corporate Consulting & Development Co, Ltd to audit ongoing tests of electrical conduit clamps.  
 FROM: LIPINSKI, R. Comanche Peak Project (Technical Review Team)  
 TO: Comanche Peak Project (Technical Review Team)  
 ISSUED: 851202 AVAIL: PDR 4pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220461E  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34334 226 34334 229 RIDS:
- 8601220498 Trip rept of 851118-22 audit of cable tray hanger walkdown. Supports walked down & noted discrepancies listed.  
 FROM: LIPINSKI, R. Comanche Peak Project (Technical Review Team)  
 TO: Comanche Peak Project (Technical Review Team)  
 ISSUED: 851202 AVAIL: PDR 5pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220461F  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34334 230 34334 234 RIDS:

## U. S. NUCLEAR REGULATORY COMMISSION

## DCS PARTIAL RECORD FORMAT REPORT

- 8601220519 Trip rept of 850126 site visit re observation of Schmidt Hammer Tests, seismic air space between structures & insp of portion of exposed ceiling in control room. List of attendees & comments encl.  
 FROM: SHAO, L.C. Comanche Peak Project (Technical Review Team)  
 TO: NOONAN, V.S. Comanche Peak Project (Technical Review Team)  
 ISSUED: 850207 AVAIL: PDR 4pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220519  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34334 172 34334 175 RIUS: 0026L
- 8601220522 Trip rept of 850923-26 audit of S&W as-built verification walkdown. Contingent upon acceptable resolution re piping run geometry & clearances, S&W walkdown well documented & easily verifiable.  
 FROM: SHAO, L.C. Comanche Peak Project (Technical Review Team)  
 TO: NOONAN, V.S. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851011 AVAIL: PDR 4pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220522  
 TASK: ODID: IEB-79-14 FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34334 163 34334 166 RIUS: 0026L
- 8601220536 Trip rept of 850923-26 site visit w/Teledyne Engineering Svcs re audit of S&W as-built verification walkdown.  
 FROM: SHAO, L.C. Comanche Peak Project (Technical Review Team)  
 TO: NOONAN, V.S. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851011 AVAIL: PDR 4pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220536  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34334 240 34334 243 RIUS: 0026L
- 8601220543 Trip rept of 851025 audit at S&W ofcs in New York, NY re piping & pipe support effort. List of attendees encl.  
 FROM: SHAO, L.C. Comanche Peak Project (Technical Review Team)  
 TO: NOONAN, V.S. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851122 AVAIL: PDR 5pp. DOCUMENT TYPE: CNTRIP FPAC: 8601220543  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34334 200 34334 204 RIUS: 0026L
- 8602110471 Trip rept of 851202-03 visit to TERA ofcs in Bethesda, MD to audit documentation supporting initial level of homogeneity for design activities review Procedure DAP-21 that will be implemented to validate homogeneity.  
 FROM: KNOX, J.L. Comanche Peak Project (Technical Review Team)  
 TO: MARINOS, E.C. Comanche Peak Project (Technical Review Team)  
 ISSUED: 860116 AVAIL: CF 3pp. DOCUMENT TYPE: CNTRIP FPAC: 8602110471  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 68271 060 68271 062 RIUS:



## U. S. NUCLEAR REGULATORY COMMISSION

## DCS PARTIAL RECORD FORMAT REPORT

8602190303 Trip Rept 2201 of 860121 visit to Robert L Cloud & Assoc, in Berkeley, CA re participation in facility cable tray verification program. Company will audit cable tray tests performed by EBASCO, Impell Corp & ANCO.  
 FROM: CIATTO, R.D. Teledyne Engineering Services  
 TO: Teledyne Engineering Services  
 ISSUED: 860129 AVAIL: PDR 12pp. DOCUMENT TYPE: CNTRIP FPAC: 8602190299A  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34627 117 34627 128 RIDS:

8602190327 Trip Rept 2202 of 860122 visit to Impell Corp in Walnut Creek, CA re applicability of slenderness ratio limit to facility cable tray hangers & Impell design criteria & procedures. Viewgraphs encl.  
 FROM: CIATTO, R.D. Teledyne Engineering Services  
 TO: Teledyne Engineering Services  
 ISSUED: 860122 AVAIL: PDR 36pp. DOCUMENT TYPE: CNTRIP FPAC: 8602190299B  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34627 129 34627 164 RIDS:

8602240605 Trip rept of 851021-24 site visit re QA program procedures. Results of discussions factored into 860115 memo.

FROM: GRIMES, B.K. Division of QA, Vendor & Technical Training Center Pro  
 TO: NOONAN, V.S. Office of Nuclear Reactor Regulation, Director (post 85  
 ISSUED: 860218 AVAIL: PDR 3pp. DOCUMENT TYPE: CNTRIP FPAC: 8602240605  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34683 160 34683 162 RIDS:

8602250142 Trip Rept 2200 of 860117 site visit re HVAC hanger program audit. Status of licensee steam electric station seismic qualification rept of seismic Category 1 duct work & hangers changed from "approved" to "not approved" on 860121.  
 FROM: RIVARD, J.J. Teledyne Engineering Services  
 TO: Teledyne Engineering Services  
 ISSUED: 860117 AVAIL: CF 3pp. DOCUMENT TYPE: CNTRIP FPAC: 8602250137A  
 TASK: ODID: 6410-49 FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 68288 161 68288 163 RIDS:

8602260062 Trip rept of 851021-24 site visit re QA program procedures. Listed personnel contacted at site. Results of discussions documented in 860115 memo.

FROM: GRIMES, B.K. Division of QA, Vendor & Technical Training Center Pro  
 TO: NOONAN, V.S. Comanche Peak Project (Technical Review Team)  
 ISSUED: 860218 AVAIL: PDR 3pp. DOCUMENT TYPE: CNTRIP FPAC: 8602260062  
 TASK: ODID: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 34703 147 34703 149 RIDS: 0026L

## U. S. NUCLEAR REGULATORY COMMISSION

## DCS PARTIAL RECORD FORMAT REPORT

8603130290 Trip rept of 860219 site visit to examine problems re improperly installed cable splices used for Bunker-Remo electrical penetration connections to field wiring. List of attendees encl.  
 FROM: CHOPRA, O.P. Electrical, Instrumentation & Control Systems Branch  
 TO: ROSA, F. Electrical, Instrumentation & Control Systems Branch  
 ISSUED: 860306 AVAIL: CF 6pp. DOCUMENT TYPE: CNTRIP FPAC: 8603130290  
 TASK: ODI: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 68314 354 68314 359 RIDS:

8603130290 XA Trip rept of 860219 site visit to examine problems re improperly installed cable splices used for Bunker-Remo electrical penetration connections to field wiring. List of attendees encl.  
 FROM: CHOPRA, P.O. Electrical, Instrumentation & Control Systems Branch  
 TO: ROSA, F. Electrical, Instrumentation & Control Systems Branch  
 ISSUED: 860306 AVAIL: PDR 6pp. DOCUMENT TYPE: CNTRIP FPAC: 8606120132A  
 TASK: ODI: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 36518 180 36518 185 RIDS:

8604040125 Trip rept of 851120-22 site audit of S&W implementation of Project Procedure CPPP-8 for piping & pipe supports. No items of noncompliance or deviations noted.  
 FROM: TERAQ, D. Comanche Peak Project (Technical Review Team)  
 TO: SHAO, L.C. Comanche Peak Project (Technical Review Team)  
 ISSUED: 860401 AVAIL: PUR 2pp. DOCUMENT TYPE: CNTRIP FPAC: 8604040125  
 TASK: ODI: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 35394 068 35394 069 RIDS: D0260

8605150205 Trip rept of 851125 visit to S&W Engineering Corp re audit of nonseismic piping effects on seismic design piping. Further audit of anchor designs required. List of attendees & related info encl.  
 FROM: HOU, S.N. Comanche Peak Project (Technical Review Team)  
 TO: SHAO, L.C. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851218 AVAIL: CF 19pp. DOCUMENT TYPE: CNTRIP FPAC: 8605150196A  
 TASK: ODI: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 68390 066 68390 084 RIDS:

8605150205 XA Trip rept of 851125 visit to S&W Engineering Corp re audit of nonseismic piping effects on seismic design piping. Further audit of anchor designs required. List of attendees & related info encl.  
 FROM: HOU, S.N. Comanche Peak Project (Technical Review Team)  
 TO: SHAO, L.C. Comanche Peak Project (Technical Review Team)  
 ISSUED: 851218 AVAIL: PDR 19pp. DOCUMENT TYPE: CNTRIP FPAC: 8610080349A  
 TASK: ODI: FORMAL REPT NO:  
 DOCKET NO: 05000445 05000446 FICHE: 38220 101 38220 142 RIDS:

U. S. NUCLEAR REGULATORY COMMISSION  
DCS PARTIAL RECORD FORMAT REPORT

8605150205 XB Trip rept of 851125 visit to S&W Engineering Corp re audit of nonseismic piping effects on seismic design piping. Further audit of anchor designs required. List of attendees & related info encl.

FROM: HOU, S.N. Comanche Peak Project (Technical Review Team)  
TO: SHAO, L.C. Comanche Peak Project (Technical Review Team)  
ISSUED: 851218 AVAIL: PDR 19pp. DOCUMENT TYPE: CNTRIP FPAC: 8610080349A  
TASK: ODID: FORMAL REPT NO:  
DOCKET NO: 05000445 FICHE: 38220 101 38220 142 RIDS:

8605290133 Trip rept of 860505-07 site visit to attend civil/structural issues audit meetings. Audit attendee list & agenda encl.

FROM: DEGRASSI, G. Brookhaven National Laboratory  
TO: JENG, D. NRC - No Detailed Affiliation Given  
ISSUED: 860521 AVAIL: CF 96pp. DOCUMENT TYPE: CNTRIP FPAC: 8605290133  
TASK: ODID: FORMAL REPT NO:  
DOCKET NO: 05000445 05000446 FICHE: 68410 001 68410 097 RIDS: X0030

8606250168 Trip rept of 841114-16 site visit re meetings w/GA/WC inspectors to emphasize that all safety issues must be resolved before units can be licensed.

FROM: NOONAN, V.S. Comanche Peak Project (Technical Review Team)  
TO: EISENHUT, D.G. Division of Licensing (800428-851124)  
ISSUED: 850115 AVAIL: PDR 2pp. DOCUMENT TYPE: CNTRIP FPAC: 8606250042A  
TASK: ODID: FORMAL REPT NO:  
DOCKET NO: 05000000 05000445 05000446 FICHE: 36824 230 36824 234 RIDS:

8609160363 Trip rept of attendance at 860821 meeting in Arlington, TX re util plans for plant issues. Summaries of observations listed.

FROM: ASHAR, H. Engineering Branch (PWR-A)  
TO: BALLARD, R. Engineering Branch (PWR-A)  
ISSUED: 860903 AVAIL: CF 2pp. DOCUMENT TYPE: CNTRIP FPAC: 8609160363  
TASK: ODID: FORMAL REPT NO:  
DOCKET NO: 05000445 05000446 FICHE: 68547 321 68547 322 RIDS: