

TEXAS UTILITIES GENERATING COMPANY  
SKYWAY TOWER • 400 NORTH OLIVE STREET, L.B. 81 • DALLAS, TEXAS 75201

February 16, 1984

37628  
Drs. L. R. Abramson and D. Lurie  
Applied Statistics Branch  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

*This package summarized  
by D. Lurie*

Doctors,

After our discussions November 29-30, 1983, I made a list of the information we agreed to provide. This list is attached (see "Further Data Requirements..."). After our conversation last week, I have filled in as much of this information as I can. The five remaining items will be transmitted as soon as possible.

Attachments A through D are my worksheets for calculating the information in sections III through VI.

I will be in contact with you to answer any further questions.

Sincerely,

*L. M. Bielfeldt*

L. M. Bielfeldt  
Supervisor, Quality Engineer

LMB:ln

8511050304 851016  
PDR FOIA  
GARDE85-59 PDR

FURTHER DATA REQUIREMENTS  
FOR ANALYSIS OF PROTECTIVE COATING  
BACKFIT INSPECTION PROGRAM

*1. 182*  
I. Concrete

- A. Total size (estimate): 285,000 sq. ft.
- B. Total # adhesion tests: 2822
- C. Total # adhesion test failures: 1 \*
- D. Total # recorded dft readings: 11,000
- E. Total # recorded dft readings failed:
- F. Evaluation of size of defective areas:
- \*G. Total # test areas w/both adhesion & dft failures: Not available

*1. 182*  
II. Steel Liner

- A. Total size (estimate): 145,000 sq. ft.
- B. Total # adhesion tests: 1622
- C. Total # adhesion test failures:
- D. Total # recorded dft readings: 6680
- E. Total # recorded dft readings failed:
- F. Evaluation of size of defective areas:
- \*G. Total # test areas w/both adhesion & dft failures: Not available

*1. 182*  
1) III. Miscellaneous Steel : Pipe Supports

- A. Average size (estimate): 11 sq. ft.
- B. Total # items in backfit scope (estimate): 4520
- C. Total # items tested (in sample): 230
- D. Total # items with adhesion failure(s) only: 5

\* optional

- E. Total # items with dft failure(s) only: 17
- F. Total # items with adhesion and dft failures: 0

IV. Miscellaneous Steel : Cable Tray Supports

- A. Average size (estimate): 11 sq. ft.
- B. Total # items in backfit scope (estimate): 755
- C. Total # items tested (in sample): 297
- D. Total # items with adhesion failure(s) only: 2
- E. Total # items with dft failure(s) only: 34
- F. Total # items with adhesion and dft failures: 1

$$\frac{2}{297} \times 100 \rightarrow 0.67\%$$

V. Miscellaneous Steel : Conduit Supports

- A. Average size (estimate): 8 sq. ft.
- B. Total # items in backfit scope (estimate): 4812
- C. Total # items tested: 225
- D. Total # items with adhesion failure(s) only: 1
- E. Total # items with dft failure(s) only: 10
- F. Total # items with adhesion and dft failures: 0

$$\frac{1}{225} \times 100 \rightarrow 0.44\%$$

VI. Miscellaneous Steel : Other

- A. Average size (estimate): Not available. Total estimated area = 3457 sq. ft.
- B. Total # items in backfit scope (estimate): Not available. Total estimated area = 3457 sq. ft.
- C. Total # items tested: 765
- D. Total # items with adhesion failure(s) only: 9
- E. Total # items with dft failure(s) only: 65
- F. Total # items with adhesion and dft failures: 2

$$\frac{9}{765} \times 100 \rightarrow 1.1\%$$

PIPE SUPPORTS

## Pipe Supports

50.	+
50.	+
50.	+
50.	=
200.	Total

DFT

7.4%

9.	+
5.	+
12.	+
0.	=
17.	

17.	+
230.	=

C39150435

Adhesion

2.2%

4.	+
0.	+
1.	+
0.	=
5.	

5.	+
230.	=

C3173-1204

$$\frac{5 \times 100}{230} \rightarrow 2.2\%$$



MISCELLANEOUS STEEL : PIPE SUPPORTS

- 1 -

Q1-OP-11.4-23

PCR #	UNSAT DFT 41.5      >7.0	UNSAT ADHESION #	PCR #	UNSAT DFT	UNSAT ADHESION
135		✓ 1	549		✓ 1
147	✓ 8.0		550		
251			551		
333			552		
501			553		
503			554		
505	✓ 7.5		555		
509			556		
511		✓ 1	557		
516			560		
518			565	✓ 7.5	
522			567		
524			568		
528			569		
529			570		
531			573		
532			574		
534	0.5 7.2 ✓		579	1.0 ✓	
535			582		
536	✓ 11.5		584		
537			586		
538			587		
539			588	.5 ✓	
540			589		✓ 1
541			590		
543			591		
544			592		
546			593	1.0 28 ✓	
547	✓ 7.5		594		
548			595		

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MISCELLANEOUS STEEL : PIPE SUPPORTS

-2-

01-CP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
596	.5 ✓		1460		
597			1500		
598			1518		
599	1.0 ✓		1519		
600			1520		
601			1532	10 ✓ 7.5	
602			1533		
604			1534		
605			1536		
606			1537		
607			1538		
609			1542		
825			1543		
826			1570		
827			1571		
823			1572	0 ✓	
829			1573		
842			1574		
863			1575		
902			1576		
903			1579		
927			1580		
928			1581		
929			1585		
930			1586		
974			1587		
989	✓ 7.5		1588		
1004			1589		
1016	10 ✓ 7.5		1590		
1066			1591		

60-6-0

MISCELLANEOUS STEEL : PIPE SUPPORTS

-3-

01-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
1618			1868		
1619			1869		
1620			1965		
1661			1966		
1662			2057	.5 ✓	
1663			2137		
1664			2138		
1724			2139		
1725	.5 ✓		2140		
1727			2141		
1728			2145		
1729			2155		
1730			2157		
1731			2160		
1751			2161		
1752			2162		
1753			2163		
1754			2164		
1755			2165		
1764			2166		
1773			2167		
1776		✓ 1	2168		
1778			2169		
1835			2170		
1854			3590		
1856			3596		
1857			3612		
1858			3613		
1860			132		
1867			133		

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MISCELLANEOUS STEEL : PIPE SUPPORTS

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01-OP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
134			585		
140			603		
141			608		
142			610		
143			931		
144			982		
145			1540		
146			1541		
499			1860		
500			2558		
502			2687		
510			2689		
513			3597		
519			3604		
525			3605		
527			3606		
530			3607		
533			3608		
542			3609		
545			3616		
561			1		
562			2		
563			3		
564			4		
566			5		
571			6		
572			7		
580			8		
581			9		
583			10		

50-0-0

## CABLE TRAY HANGERS

DFT  
11.8%

Adhesion  
1.0%

Total  
CT Hg<sub>rs</sub>.

MISCELLANEOUS STEEL : Cable Tray Hgrs.

Q1-QP-11.4-23

PCR #	UNSAT DFT ≤1.5      >70	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
45			82	✓ 8.0	
46			83		
47	✓ 8.0		107		
48			108		
49			109		
50	✓ 8.0		110		
51			111		
52			112		
53			113	✓ 8.0	
54			114	✓ 7.5	✓ 1
61			115		
62	1.0 ✓		116		
63			117		
64			118		
65			119		
66	✓ 7.5		120		
67	✓ 7.5		121		
68			122		
69			123		
70	✓ 8.0		124		
71	✓ 7.5		125		
72	✓ 7.5		126		
73			127		
74			128		
75			129	0.2 ✓	
76			222		
77			224		
79			225		
80			226		
81			227		

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MISCELLANEOUS STEEL : CT hangers

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
230			343		
231			344		✓ 1
232			346		
233			347	✓ 8.5	
234			348		
235			349		
255	✓ 9.0		350		
256			351		
257			352		
258			374		
259			375		
260			376		
261			377		
262			378		
263			379		
264	✓ 8.5		380		
265			381		
266			382		
267			383		
268			385		
269			386		
271			387		
272			388		
273			389	✓ 7.5	
274			396		
275			397		
278			398		
279	✓ 7.5		399		
280			400		
285			478		

60-5-Ø  
1



MISCELLANEOUS STEEL : CT hangers

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
479			1268	1.0 ✓	
480			1269	✓ 7.5	
481			1283		
482			1284		
483			1285		
848			1286		
932			1287		
933			1288		
934			1290	✓ 7.5	
938			1291	1.0 ✓	
940			1292		
1022			1293		
1226			1294		
1235			1299		
1236			1300		
1237			1304		
1238			1305		
1240	1.0 ✓		1306		
1241	2.0 ✓		1307		
1243	✓ 10.0		1308		
1244			1309		✓ 1
1245			1310		
1260			1311		
1261			1313		
1262			1314		
1263			1315		
1264	✓ 8.5		1316		
1265			1317		
1266			1318		
1267			1330		

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MISCELLANEOUS STEEL : CT hangers

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
1331			1781		
1332			1816	0.5 ✓	
1333			1839	✓ 7.5	
1334			1840		
1335			1841		
1336			1842		
1337			1843		
1340	✓ 9.0		1844		
1341			1845		
1342			2048		
1343			2049		
1345			3500		
1346			3501	✓ 7.5	
1347			3503	✓ 8.0	
1348			444		
1354			78		
1355			228		
1356			229		
1357	✓ 7.5		270		
1359			345		
1360			384		
1362	✓ 10.0		687		
1363			688		
13645			745		
1366			746		
1373 1733			748		
1734	✓ 7.5		749		
1735	1.0 ✓		750		
1736			751		
1774	✓ 7.5		752		

60-~~8~~-0  
10

MISCELLANEOUS STEEL : CT hangers

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
753			3131		
754			3136		
755			3147		
758			3161		
759			3163		
760			3178		
762			3211		
763			3215		
764			3216		
844			3244		
846			3271		
847			3283		
935			3284		
1239			3290		
1289			3291		
1312			3295		
1344			3317		
1364			3319		
2547			3324		
3065			3340		
3074			3363		
3097			3382		
3109			3385		
3121			3409		
3122			3413		
3126			395		
3127			1242		
3128					
3129					
3130					

57-0-0

# CONDUIT SUPPORTS

60.	+
60.	+
60.	+
45.	=
225.	

Total  
Conduit  
Supports

	CLR
1.	+
2.	+
6.	+
0.	=
10.	

4.4%

10.	+
225.	=
.0444444444	

adhesion

0.	+
0.	+
1.	+
0.	=
1.	

0.4%

1.	+
225.	=
.0044444444	

MISCELLANEOUS STEEL : CONDUIT SUPPORTS

QT-QP-11.4-23

PCR #	UNSAT DFT		UNSAT ADHESION #	PCR #	UNSAT DFT		UNSAT ADHESION
	41.5	77.0					
169				299			
170				300			
172				301			
173				302			
174				303			
176				304			
177				305			
178				306			
179				307			
236				308			
243	1.0	✓		309			
244				310			
245				311			
246				313			
247				314			
249				315			
281				318			
283				319			
284				320			
287				321			
288				322			
289				324			
290				326			
291				327			
292				328			
293				330			
294				331			
295				332			
297				338			
298				340			

MISCELLANEOUS STEEL : CONDUIT SUPPORTS

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QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
341			408		
342			409		
353			410		
354			413		
355			414		
356			416		
361			417		
362			418		
363			419		
364			420		
365			421		
366			493		
367			494		
368			495		
369			496		
370			497		
371			660	.5	✓
372			661		
373	.5	✓	662		
390			663		
392			664		
393			665		
394			666		
401			667		
402			668		
403			669		
404			670		
405			671	.5	✓
406			700		
407			701		

60-3-0



MISCELLANEOUS STEEL : CONDUIT SUPPORTS

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Q1-OP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
702			1699		
703			1726		
704			1732		
705			1743		
706			1744		
707			1757		
710			1760		
711			1761		
712			1762		
713			1763	1.0	✓
714			1771		
966			1772		
967			1775		
968			1891		
969			1914		
971			1955		
972			2100		
973			2101		
975			2103		
976			2104	0.5	✓
977			2105		
978			2107		
979			2108		
980			2109		
981			2110		✓ 3
983			2171	0.5	✓
999			2172	0.5	✓
1693			2173	1.0	✓
1697			2174	✓	7.5
1698			2175		

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MISCELLANEOUS STEEL : CONDUIT SUPPORTS

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
2177			2178		
2180			2179		
2181			2258		
3552			2313		
3600			2348		
3601			2349		
168			2352		
171			2353		
175			2762		
248			2767		
250			2769		
282			2770		
312			2844		
316			<del>2844</del> 1.415 12/12/83		
317			3102		
323			2846		
325					
329					
339					
357					
411					
412					
415					
970					
1748					
1746					
2102					
2106					
2111					
2176					

OTHER MISCELLANEOUSSTEEL

60.	x
12.	+
45.	=
765.	

Total  
"Other"

5.	+
4.	+
2.	+
2.	+
3.	+
4.	+
10.	+
11.	+
7.	+
3.	+
6.	+
10.	+
0.	=
67.	

DFT --  
8.8%

67.	+
765.	=

.0875816993

6.	+
3.	+
0.	+
1.	+
0.	+
0.	+
0.	+
0.	+
0.	+
0.	+
1.	+
0.	=
11.	

Adhesion  
1.4%

11.	+
765.	=

0.014379085

(OTHER)  
MISCELLANEOUS STEEL : MISCELLANEOUS

-1-

QI-QP-11.4-23

PCR #	UNSAT DFT		UNSAT ADHESION #	PCR #	UNSAT DFT		UNSAT ADHESION
	<1.5	>7.0					
161				808	✓	7.5	
162				809	✓	7.5	
163				811	✓	10.0	
164				849			
165				850			
166				851			
167				852			
241				853			
242				854			
296				855			
422				856			
451				857			
452				858	✓	8.0	✓ 1
453				859			
4				860			
4				861			✓ 2
512				862			✓ 1
514				864			
517				865			
520				866			
521				867			
624				874			
625				875			
632				876			
633	0.5	✓		877			✓ 1
634				878			✓ 1
635				879			
796			✓ 1	880			
804				881			
806				882			

60-5-6

MISCELLANEOUS STEEL : OTHER

-2-

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
883			1051		
884			1052		
885			1053		
891			1054		
892			1055		
901			1056		
907			1057		
908			1058		
909			1059		
910			1060		
984			1061		
985		✓ 1	1062		
986			1063		
987			1064		
988			1065		
991			1066 <sup>UNSAT</sup>		
993			1070		
994	0.5 ✓		1071		
995			1072		
996			1073		
997	0.5 ✓		1074		
998			1075		
1000			1076	✓ 10.0	
1001			1077	✓ 8.0	✓ 1
1002			1078		
1003			1079		
1005			1080		
1048			1081		✓ 1
1049			1082		
1050			1083		

60-4-3

MISCELLANEOUS STEEL :

OTHER

-3-

CI-OP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
1084			1128		
1087			1129		
1088			1130		
1089			1131		
1090			1132		
1091			1133		
1092			1134		
1093			1135		
1094			1136		
1095			1137		
1096			1138		
1098			1139		
1099			1140	✓ 8.0	
1101			1141	✓ 7.5	
1106			1142		
1107			1143		
1108			1144		
1110			1145		
1112			1146		
1113			1147		
1114			1148		
1115			1149		
1117			1150		
1118			1151		
1122			1152		
1123			1153		
1124			1154		
1125			1155		
1126			1156		
1127			1157		

60-2-0

MISCELLANEOUS STEEL :

OTHER

- 4 -

Q1-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
1158			* 1194		
1159			* 1195		
1160			* 1196		
1161			1197		
1162			1198		
1163			1199		
1164			* 1200		
1165			* 1201		
1166	✓ 13.0		* 1202		
1167			* 1203		
1168			* 1204		
1169			* 1205		
1171			* 1206		
1173			* 1207		✓ 1
1174			* 1208		
1176			1209		
1177			* 1210		
1178			* 1211		
1179	✓ 9.0		* 1212		
1180			1213		
1181			1214		
1182			1215		
1183			* 1216		
1185			1217		
1186			* 1218		
1187			1220		
1188			1221		
1189			1223		
1190			* 122 <sup>me</sup> <sub>7</sub>		
* 1193			1229		

60-2-1



MISCELLANEOUS STEEL :

OTHER

-5-

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
1230			1295		
1231			* 1296		
1233			* 1297		
1234			1298		
1246			* 1301		
1247			* 1302		
1248			* 1303		
1249	✓ 8.0		* 1319		
1250			* 1320		
1251			* 1321		
1252			* 1322		
1253			1323		
1254			1324		
1255			1325		
1256			1326		
* 1257			* 1327		
* 1258	✓ 9.5		* 1328		
* 1259			* 1329		
1270			* 1338		
1271	✓ 7.5		* 1339		
1272			1358		
* 1273			1361		
* 1274			* 1367		
1275			* 1368		
1276			* 1369		
* 1277			1381		
1278			1383		
* 1279			1384		
* 1280			* 1385		
1282			* 1386		

60-3-0



MISCELLANEOUS STEEL : OTHER

Q1-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
* 1387			1431		
1388			* 1432		
1389			* 1433		
1390			1434		
1392			* 1435		
* 1393			1436		
1396			1437	✓ 9.0	
1398			1438		
1399			1439		
1400	✓ 8.0		* 1440		
* 1401			1441		
1402			1442		
1405			1443		
1406			1444		
* 1407			1445		
* 1408			1446		
1409			* 1447		
1410			1448		
1413			1449		
1414			1450		
1415	✓ 9.0		1451		
1421			1452		
1422			1453		
* 1423			1454		
* 1424			1455		
* 1425			1456		
* 1427			1457		
1428			1458		
1429			1459		
1430	✓ 10.0		1461		

60-4-0

MISCELLANEOUS STEEL : OT. ER

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
* 1462			1498	0.5 ✓	
* 1463			1499	0.5 ✓	
1464			1517		
1465			1521	0.5 ✓	
* 1466			1522	0.5 ✓	
1467			1523		
1468			1524		
* 1469			1525		
* 1470			1526	0.5 ✓	
* 1471			1527		
1472			1539		
* 1473			1544		
* 1474			1545		
1475			1546		
1476			1547		
1477			1548		
* 1479			1549 <sup>SD</sup>		
1480			1551		
* 1481	✓ 9.0		1552		
* 1482			1554		
1483			1555		
1484			1556		
* 1485			1558		
1486			1559		
1490			1560		
1492			1564		
1493	✓ 7.5		1565		
1494	0.5 ✓		1567		
1495	0.5 ✓		1568		
1497	1.0 ✓		1569		

60-~~8~~-0  
10

MISCELLANEOUS STEEL : OTHER

Q1-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
1592	0.5 ✓		* 1634		
1593			1635	0.5 ✓	
1594			1636		
1595			1637		
1596			1638		
1597			1639		
1598			1640		
1599			1641		
1600	1.0 ✓		1642		
1602	1.0 ✓		1643	1.0 ✓	
1607			1644		
1608			1645		
1609			1646		
1610			1647		
1611	✓ 8.0		1648		
1614			1649		
1615			1680		
1616	1.0 ✓		1681		
1617			1682	0.5 ✓	
1621			1683		
1622	0.5 ✓		1684		
1623			1685		
1624	0.5 ✓		1688		
1625 <sup>ms</sup> 7			1690		
1628	0.5 ✓		1692		
1629			1693		
1630			1694		
* 1631			1695		
* 1632			1696		
* 1633			1697		
			1698		
			1699		
			1700		

60-11-0

MISCELLANEOUS STEEL : OTHER

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
1701			1802	0.5 ✓	
1702			1804	✓ 8.5	
1703			1805	0.5 ✓	
1704			1808	✓ 10.0	
1705			1809		
1706			1817		
1707			1818		
1708			1819		
1709			1837		
1710			1838		
1711			1883		
1712			1884		
1713			1885		
1714			1886		
1715			1894		
1716			1895		
1717			1896		
* 1718			1897		
* 1719			1898		
1722			1899		
1723			1900		
1749	0.5 ✓		1901		
1756	0.5 ✓		1902		
1779			1903		
1791			1904		
1793			1905		
1795	1.0 ✓		1906		
1796			1907		
1798			1908		
1801			1909		

60-7-0

MISCELLANEOUS STEEL : OTHER

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
1910			1967		
1912			1968		
1913			1969		
1920			* 1970		
1921			1979		
1922			1991		
1923			1992		
1924			2000		
1925			2001		
1926			2002		
1927			2003	✓ 5.0	
* 1928			2004		
* 1929			2005		
* 1930			2006		
1938			2007		
* 1939			2008		
* 1940	00 ✓		2009		
* 1942			2010		
* 1943			2011		
* 1946			2031		
* 1949			2032		
* 1950			2033		
* 1951			2034		
* 1952			2035		
* 1953			2036		
* 1954			2038		
1957			2040		
1958			* 2046		
1960			* 2047		
1961	✓ 7.5		2050		

60-2-0  
3



MISCELLANEOUS STEEL : OTHER

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
3611	0.5 ✓		795		
3614			797		
3615			807		
3633	✓ 7.5		810		
3634	1.0 ✓		1100		
3635	✓ 12.5		1102		
3636	✓ 8.0		1103		
3639	✓ 10.0		1105		
3640		✓ 3	1109		
3641	✓ 9.0		1111		
3642	✓ 10.0		1119		
3644	✓ 13.5		1120		
3648			1170		
3649			1172		
3662			1175		
3667	✓ 8.0		1219		
3675			1222		
3676			1224		
3677			1238		
3679			1232		
1100			1281		
* 240			1403		
498			1419		
504			1420		
622			1487		
676			1488		
683			1489		
686			1496		
793			1549		
794			1553		

60-10-1

MISCELLANEOUS STEEL : OTHER

QI-QP-11.4-23

PCR #	UNSAT DFT	UNSAT ADHESION	PCR #	UNSAT DFT	UNSAT ADHESION
1554			2814		
1563			2845		
1566			2848		
1601			2910		
1603			3034		
1604			3063		
1605			3080		
1606			3081		
1612			3082		
1613			3084		
1625			3085		
1626			3561		
1670			3562		
1689			3646		
1691			3647		
1792					
1794					
1797					
1803					
1806					
1807					
1820					
1962					
2030					
2042					
2044					
2150					
2634					
2743					
2780					

45-0-0



**Gibbs & Hill, Inc.**

11 Penn Plaza  
New York, New York 10001  
212 760-4438  
Telex:  
Domestic: 127535/968694  
International: 428813/234475  
A Dravo Company

GTN-67649

Texas Utilities Generating Company  
Post Office Box 1002  
Glen Rose, Texas 76043

Attention: Mr. J. B. George  
Vice President/Project Gen. Mgr.

Gentlemen:

TEXAS UTILITIES GENERATING COMPANY  
COMANCHE PEAK STEAM ELECTRIC STATION  
G&H PROJECT NO. 2323  
PROTECTIVE COATING  
PRELIMINARY COATING EXEMPTION LOG

Attached please find the subject document for your use and information. Please note this document represents a starting point for the ongoing logging of protective coating deviations by field personnel. It is felt that sufficient information is presented and that in excess of 90 percent of the deviating coatings have been identified. The field should modify the format of the log to suit their needs if necessary.

If you have any further comments or questions please contact this office.

Very truly yours,

GIBBS & HILL, Inc.

*R. E. Ballard, Jr.*

Robert E. Ballard, Jr.  
Project Manager

REBa-MC-KF:lc

1 Letter + 1 Attachment

CC: ARMS (B&R Site) OL + 1A

M. McBay (TUSI Site) 1L 1A

R. Kissinger (TUSI Site) 1L 1A

M. Wells (TUSI Site) 1L 1A

Kelly (EBASCO - Site) 1L 1A

TOTALS

ENTRY NO. 47 - 52,120 ft<sup>2</sup>

Dravo

\*\*112323050-1336\*001\*11121-112323-050\*4457  
\*\*112323050-1336\*001\*11121-112323-050\*4457  
\*\*112323050-1336\*001\*11121-112323-050\*4457  
\*\*112323050-1336\*001\*11121-112323-050\*4457  
\*\*112323050-1336\*001\*11121-112323-050\*4457  
\*\*112323050-1336\*001\*11121-112323-050\*4457

\*\*7\*1USI Preliminary Coating Exemption Log, 9/83  
\*\*7\*1USI Preliminary Coating Exemption Log, 9/83  
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\*10/07/83\*10\*27\*RJR\*\*\*\*\*  
\*10/07/83\*10\*27\*RJR\*\*\*\*\*  
\*10/07/83\*10\*27\*RJR\*\*\*\*\*  
\*10/07/83\*10\*27\*RJR\*\*\*\*\*  
\*10/07/83\*10\*27\*RJR\*\*\*\*\*  
\*10/07/83\*10\*27\*RJR\*\*\*\*\*

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TEXAS UTILITIES GENERATING COMPANY  
COMMANCHE PEAK STEAM ELECTRIC STATION

PRELIMINARY COATING EXEMPTION LOG  
SEPTEMBER, 1983

GIBBS & HILL, Inc.  
NEW YORK, NEW YORK

## INTRODUCTION

The attached log includes the following items:

1. Coating which did not meet QC requirements as documented by DCAs. *up to DCA 16151*
2. Coatings which did not meet QC requirements for primer documented by PCRs (back-fit inspection reports). *by manufacturer? produced as re-inspection* *P.R. UNSAT 1000* *PCR 3667*
3. Coatings applied to equipment installed inside which does not meet the requirements for coatings to be used inside containment.

Please note the following concerning the above:

- Regarding Item 1: In most cases the DCA established the area of unsatisfactory coating; in other cases a conservative estimate was made. *UNSAT 2*
- Regarding Item 2: Liner-plate PCRs were not included. The field should confirm if any of the noted areas have been repaired to a satisfactory condition. Final PC inspection reports should be used to close out the violating PCRs. *7*
- Regarding Item 3: Westinghouse equipment is not included. Estimates of mil thickness are conservatively based on the generic type of paint used.

This log is preliminary and represents a starting point for the ongoing logging of protective coating deviations by field personnel. It is felt that sufficient information is presented and that the field should modify the format to suit their needs.

SUMMARY

Per Table 1, the total area and volumes of unsatisfactory coatings are as follows:

	<u>Area</u> <u>Square Feet</u>	<u>Volume</u> <u>Cubic Feet</u>
Category 1	5,100	4.25
Category 2	1,800	1.50
Category 3	<u>4,500</u>	<u>1.12</u>
	11,400	6.87
Contingency (10 Percent)	<u>1,100</u>	<u>.7</u>
Total	12,500	7.6

The area of unsatisfactory coating represents less than 4 percent of the coated surface inside containment. The potential volume of coating represents a film of 0.3" thickness across the available 300 square feet of the containment recirculation sump screen area.

TABLE 1  
CATEGORY 1

Total Unsatisfactory Area:

Structural, Liner-Plate	-	2900
Other	-	800
Electrical	-	330
Mechanical	-	<u>1050</u>
		5080 ft <sup>2</sup> ,
		use 5100 ft <sup>2</sup>

Total Volume of Unsatisfactory Coating:

Basis: 10-Mil Thickness:

$$5100 \text{ ft}^2 \times \frac{0.010 \text{ inch}}{12 \text{ inch/ft}} = 4.25 \text{ ft}^3$$



TABLE 1  
CATEGORY 2

Total Unsatisfactory Area:

Miscellaneous Steel	-	1600
Pipe Supports	-	70
Cable Tray Hangers	-	130
Conduit Supports	-	<u>40</u>
		1840 ft <sup>2</sup> ,
		use 1800 ft <sup>2</sup>

⑦ Total Volume of Coating:

Basis: 10-Mil Thickness:

$$1800 \text{ ft}^2 \times \frac{0.010 \text{ inch}}{12 \text{ inch/ft}} = 1.50 \text{ ft}^3$$

TABLE 1  
CATEGORY 3

Total Unsatisfactory Area:

Electrical - Lighting Panels	-	200
Light Fixtures	-	1000
Light Fixture Reflectors	-	2500
Mechanical - Piping	-	60
Valves	-	100
Tank	-	100
Pump Motors	-	50
Other Equipment	-	300
Instrumentation	-	185
		<hr/> 4495
		Use 4500 sq. ft.

Total Volume of Unsatisfactory Coating:

Basis : 3.0-Mil Thickness (assumed standard industrial grade enamel)

$$4500 \text{ sq. ft.} \times \frac{0.003 \text{ inch}}{12 \text{ inch/ft}} = 1.12 \text{ ft}^3$$

---

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CATEGORY 1

Detailed Listing (2 Sheets)

CATEGORY 1

(Coatings which do not meet QC requirements as documented by DCAs.)

<u>DCA No/ Rev. No.</u>	<u>Description of Item</u>	<u>Unsatisfactory Area (ft<sup>2</sup>)</u>	<u>Remarks</u>
✓13156/6	Liner-Plate	1700	St
✓16230/0	Liner-Plate	350	St
✓16114/0	Liner-Plate	100	St, 1
✓15975/0	Liner-Plate	425	St
✓15482/0	Liner-Plate	125	St
✓14640/0	Liner-Plate	100	St, 1
✓16174/0	Liner-Plate	100	St, 1
✓13156/5	Junction Box Support	20	El, 1 (assumed as small item)
✓2951/0	11 Lighting Panels	110	El, 1 (assumed 10 ft <sup>2</sup> each)
✓893/0	Electrical Panel Boxes on Polar Cranes	100	El, 1
✓15002/0	Electrical Penetration Flanges	100	El, 1
✓17973/1	Fans (4)	40	Me, 1 (assumed 10 ft <sup>2</sup> each)
✓14926/1	6 Preaccess Filtration Units	100	Me, 1
✓19045/0	Work Area between HVAC Ducts and Concrete	100	St, 1
✓18685/0	HVAC Duct Section Embedded in Concrete	100	Me, 1
1836/1	Elevator Enclosures	100	St, 1
✓17571/0	Torque-Lift Equipment	100	Me, 1
✓19366/0	Reactor Equipment Hatch Cover	100	Me, 1
✓17864/0	Containment Side Personnel Air-Lock	100	Me, 1

CATEGORY 1

DCA No/ Rev. No.	Description of Item	Surface Area (ft <sup>2</sup> )	Remarks
-15578/0	Block-out	100	St, 1
→ 5504/0	Areas Behind CCW Drain Tank	100	St, 1
-11016/0	Sump Pit	100	St, 1
-7859/0	Handrails, Platform Sup- ports, Ladders and Embed- ments (Room 753)	100	St, 1
-10786/0	Pipe Hangers	15	St
-9642/1	Pipe Hangers	70	St
-13156/5	Pipe Hangers	20	St
-9231/0	Valve Operator	10	Me
-5195/0	Valves Attached to 4-in. line	100	Me, 1
-16151/0	Universal Joints for Valve Reach Rods	100	Me, 1
-9885/0	Pipe Stubs (1/4-in. to 1/2-in. Diameter, 4-in. to 8-in. long)	100	Me, 1
-4966/0	Reactor Vessel Column Support	100	St, 1
-6384/0	Clevises and U-Clamps Under 2 in.	100	Me, 1
-6236/0	Brackets and/or Bolts	18	Me
-5092/0	Brackets and/or Bolts	10	Me
-9927/0	Brackets and/or Bolts	10	Me, 1 (assumed small items)
-9360/0	Brackets and/or Bolts	50	Me
-8640/0	Brackets and/or Bolts	12	Me

Notes:

- 1 - Area assumed as noted or 100 square feet used.
- St - Structural item.
- El - Electrical item.
- Me - Mechanical item.

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CATEGORY 2  
Detailed Listing (8 Sheets)



CATEGORY 2

(Coatings which do not meet QC requirements for primers as documented by PCRs.)

<u>PCR No.</u>	<u>Description of Item</u>	<u>Total Unsatisfactory Area</u>	<u>Remarks</u>
633	Rigging Clip El 1046 AZ-222	2	1,4,5
808	PC Bracket El 939-949 A-124	50	2,4
809	PC Bracket El 939-949 AZ-150	75	2,4
811	PC Bracket El 939-949 AZ-291	4.5	3
858	Terminal Box "E" Seal Table Room, El 832 ft-6 in	2	1,4
994	OP Beam 17-505-AF1 El 841 (C-1) SG No. 1	10	2,4
997	OP Beam 19-505-D1 El 841 (C-3) SG No. 3	20	2,3
1003	Platform No. 9 El 883 AZ-135	10	2,3
1005	Ladder to Platform No. 9	10	2,3
1076	Instrument Cover El 808 Rad 22 AZ-91	0.2	3
1140	Stairway Riser, Outer El 808-815 AZ-137-148, Rad 66'-6"	20	2,4
1141	Stairway Riser, Inner 808-815 AZ-137-148, Rad 66' 6"	20	2,4
1166	Platform Channel El 826 AZ-30-35 Rad 65'	25	2,4
1179	RC Pump Support (C-1) El 812 Rad 32' Loop No. 1	10	2,4,5
1249	SG Support Column (C-2) El 812	10	2,4,5
1258	Pipe Whip Restraint El 812 A200 (C-2)	100	2,3
1271	RC Pump Support (C-2) El 812 AZ-215	10	2,4,5
1333	SG Lateral Support El 834 C-3	25	2,4
1400	RC Pump Sway Support E. 830 (C-3)	25	2,4
1415	Structural Steel Brace, El 814 ft, 6 in between RCP Supports and SG (C-3)	10	2,4,5

<u>PCR No.</u>	<u>Description of Item</u>	<u>Total Unsatis- factory Area</u>	<u>Remarks</u>
1430	SG Support (C-3) El 812	15	2,4
1432	RCP Sway Structure (C-4) El 830	0.5	1,4,5
1437	Pipe Whip Restraint El 827 (C-4) West Wall	10	2,4,5
1493	PC Runway Support Bracket 940-950 AZ-47	10	2,4,5
1495	PC Runway Support Bracket El 948-950-AZ-218	50	2,4

PCR No.	Description of Item	Total Unsatisfactory Area	Remarks
1497	PC Runway Bracket, A-2	40	2,4
1498	PC Runway Bracket, AZ-349	50	2,4
1499	PC Runway Bracket, El 948 ft-3 in to 950 ft-8 in AZ-339	50	2,4
1521	PC Runway Bracket AZ-323	30	2,4
1522	PC Runway Bracket AZ-311	20	2,4
1529	PC Runway Bracket AZ-259	30	2,4
1592	PC Runway Bracket AZ-233	30	2,4
1600	PC Runway Girder AZ-278 to 291	11.7	1,3
1602	PC Runway Girder AZ 304 to 317 Instrument Plate SW Wall	4	1,3
1616	Valve Room El. 824 ft, 4 in.	5	1,3
1622	Neutron Detector Positioner El 812 ft, 6 in (C-2)	5	2,4
1628	Neutron Detector Positioner El 812, 6 in (C-3)	5	2,4
1635	Neutron Detector Positioner El 812, 6 in AZ-90	5	2,4
1643	PC Runway Bracket 948 ft, 5 in to 950 ft, 8 in AZ-169	50	2,4
1645	Lighting Conduit Junction Box Support El 949 AZ-165	0.8	1,3
1682	PC Support Girder El 947 ft, 6 in to 950 ft, AZ-188 to 201	1.9	1,3,5
1749	Lighting Conduit Junction Box Support El 948 ft, 6 in, AZ345	0.8	1,3
1756	Lighting Conduit Junction Box Support El 948 ft-6 in AZ-358	0.8	1,3
1795	PC Runway Girder El 947 ft-6 into 950 ft, AZ48 to 111	6	1,3
1802	PC Runway Bracket El 948 ft, 6 in to 951 ft, 2 in, AZ-53	50	2,4

<u>PCR No.</u>	<u>Description of Item</u>	<u>Total Unsatis- factory Area</u>	<u>Remarks</u>
1804	PC Runway Bracket El 948 ft, 6 in, - to 951 ft, 2 in, AZ-143	50	2,4
1805	PC Runway Bracket El. 948 ft, 6 in, to 951 ft, 2 in, AZ-131	50	2,4
1808	PC Runway Bracket El. 948 ft, 6 in, to 951 ft, 2 in, AZ-156	50	2,4
1894	Platform Support El 870 ft, 6 in AZ-70	13	2,3

<u>PCR No.</u>	<u>Description of Item</u>	<u>Total Unsatis- factory Area</u>	<u>Remarks</u>
1901	Pressurizer Room Grating Support El 861	5	2,4
1909	Pressurizer Room Grating Support El 861	5	2,4
1940	Pipe Whip Restraint No. FW-1-018-901/A/CS7	10	2,4,5
1961	Instrument Stand in Q4, El 861 ft, 4 in	5	1,4
2003	Embedded Support Operating Platform El 822	5	1,4
2143	Pressurizer Room Operating Platform El 886 ft, 4-1/2 in	5	1,4
3551	PC Bottom of Girder and Catwalk	25	1,3
3554	PC Trolley	100	2,4
3557	PC End Girder Support South	15	3
3558	PC Northwest Wheel Assembly	10	3
3559	Hoist Support (Room 156 Cavity Entrance)	90	2,4
3581	Outer Side of PC Main Girder	5	1,3,5
3633	PC Main Girder inside (East Girder)	4	1,3,5
3634	PC Main Girder inside (West Girder)	4	1,3,5
3635	Wheel Assembly PC Northeast	20	3
3636	Bottom and Back-End Support	36	3
3639	North End East Girder Bottom	8.3	3
3641	PC Trolley Bottom Southwest inside Wheel Assembly	18	3
3642	PC Bottom Catwalk on South- east End of Trolley	20	2,4
3644	PC Bottom Catwalk West Side of Trolley	80	2,4
3667	South Rail Guide in West Girder	40	2,4
1626	Neutron Detector Positioner El 812 ft, 6 in	5	2,4

CATEGORY 2

CTH = CABLE TRAY HANGERS

<u>PCR No.</u>	<u>Description of Item</u>	<u>Total Unsatis- factory Area</u>	<u>Remarks</u>
47	CTH No. 233 E1 808	5	2,4
50	CTH No. 237 E1 808	1.5	2,3
62	CTH No. 5826 E1 808	1.5	2,3
66	CTH No. 5856 E1 808	5	2,4
67	CTH No. 5815 E1 808	1.25	2,3
70	CTH No. 5845 E1 808	5	2,4
71	CTH No. 5846 E1 808	0.5	2,3
72	CTH No. 5849 E1 808	0.75	2,3
82 -	CTH No. 5834 E1 808	1	2,3
113	CTH No. 5819 E1 808	5	2,4
114	CTH No. 5853 E1 808	5	2,4
129	CTH No. 5850 E1 808	10	2,4
255	CTH No. 1227 E1 808	3	2,3
264	CTH No. 1223 E1 808	3	2,3
279	CTH No. 1233 E1 808	6	2,3
289	CTH No. 46 E1 808	1.2	2,3
1240	CTH No. 5727 E1 832	5	2,4
1241	CTH No. 5728 E1 832	5	2,4
1243	CTH No. 5802 E1 832	5	2,4
1264	CTH No. 5729 E1 832	5	2,4
1268	CTH No. 5795 E1 832	5	2,4
1290	CTH No. 5985 E1 832	1.25	2,3
1291	CTH No. 5786 E1 832	1.2	2,3
1340	CTH No. 5756 E1 832	5	2,4
1359	CTH No. 5752 E1 832	1	2,3
1362	CTH No. 5740 E1 832	2.75	2,3
1735	CTH No. 2360 E1 847	1	2,3
1734	CTH No. 2359 E1 847	5	2,4
1774	CTH No. 2362 E1 849	5	2,4
1816	CTH No. 1229 E1 860	2	2,3
1839	CTH No. 4737 E1 868	5	2,4
1842	CTH No. 4740 E1 867	10	1,4
3501	CTH No. 10137 E1 842	1.8	2,3
3503	CTH No. 9996 E1 832	5	2,4



CATEGORY 2

PS = Pipe Supports/Hangers

<u>PCR No.</u>	<u>Description of Item</u>	<u>Total Unsatis- factory Area</u>	<u>Remarks</u>
147	PS No. DD-1046J09C45R	. 5	2, 4
505	PS No. CT-1-090-015-C92R	2.7	2, 3
534	PS No. CT-1-091-002-C92R	2.7	2, 3
536	PS No. CT-1-032-002-C92R	50	2, 4
547	PS No. CT-1-032-012-C92R	5	2, 4
579	PS No. CT-1-068-024-C92R	5	2, 4
565	PS No. CT-1-091-024-C92R	0.7	2, 3, 5
588	PS No. CT-1-068-003-C92R	5	2, 4
593	PS No. CT-1-068-008-C92R	5	2, 4
596	PS No. CT-1-068-011-C92R	5	2, 4
599	PS No. CT-1-068-014-C92R	5	2, 4
825	PS No. CC-1-205-011-CS3R	5	1, 4
989	PS No. FW-11809-C72K	0.5	2, 3, 5
1532	PS No. CT-1-013-406-C82R	1.75	2, 3
1572	PS No. FW-1-096-023-C62R	1.5	1, 3
1724	PS No. HB-223-VB-1-058	5	1, 4
1725	PS at EL-787, AZ-295	5	1, 4
1727	PS No. HD-24-4-VD-1-054	5	1, 4
2057	PS No. CT-1-053-402-C62K	1.2	1, 3

CATEGORY 2

CS = Conduit Supports

<u>PCR No.</u>	<u>Total Area</u>	<u>Total Unsatisfactory Area</u>	<u>Remarks</u>
243	CS No. C-14K10129-2 E1 808	5	2,4
263	CS No. C-14W18090-5 E1 808	5	2,4
410	CS No. C-12K11565-4 E1 808	5	2,4
660	CS No. C-14012624-9 E1 1022	2.5	2,4
671	CS No. E-7906 E1 1023	5	2,4
707	CS No. 13868-13 E1 905	10	2,4
1763	Lighting Conduit Support E1 984, AZ-22	0.25	2,3,5
2104	CS No. 07299-01 E1 832	5	2,4
2171	CS No. 053524 E1 832	2.5	2,4
2172	CS No. C14K14840-2 E1 8.2	5	2,4
2173	CS No. C12K11910-1	2.5	2,4
2174	CS No. 09007-1	1.25	---

Notes:

1. Area obtained from PCR.
2. Area assumed or 100 square feet used for miscellaneous steel.  
Area assumed or 10 square feet used for pipe supports.  
Area assumed or 10 square feet used for cable tray hangers.  
Area assumed or 5 square feet used for conduit supports.
3. Unsatisfactory area obtained from PCR.
4. Unsatisfactory area (percent) estimated from PCR.
5. Less than 10 percent of total area.

CATEGORY 3

Detailed Listing (3 Sheets)

CATEGORY 3

Sheet 1 of 3

Electrical Equipment

<u>Description</u>	<u>Item Designation</u>	<u>B/M No.</u>	<u>Area, Sq. Ft.</u>
Lighting Panels & Contactors	SC3	L45 G4	200 (total)
	C2 & C3	L56 V	
	G5 & C6	L56 W	
	C9 & C10	L45 H1	
	SC4	L45 G5	
	C11 & C12	(By Field)	
	SC2	L45 G3	
	C1, C4, C7, & C8	L56 X	
	DCC1	L45 C1	
	SC1	L57 C	
	C1 thru C4	L45 U	
Lighting Fixtures	C1/C1A	L45 K	1000(total)
	C3	L56 L	
	C4	L45 M	
	C6/C6A	L45 N	
	C7/C7A	L45 P	
	C8/C8A	L45 Q	
	C9	L45 R	
	C10	L45 S	
	C11	L45 Y	
	B	L45 T	
	E 15	L42	
Light Fixture Reflectors	---	---	2500(total)

CATEGORY 3

Sheet 2 of 3

Mechanical Equipment

<u>Description</u>	<u>Designation</u>	<u>Item No.</u>	<u>Area, Sq. Ft.</u>	
Fire Protection Piping	11' -6" Dia.	NA	2	59
	60' -4" Dia.	NA	6	
	150' -3" Dia.	NA	12	
	200' -2 1/2" Dia.	NA	13	
	500' -2" Dia.	NA	26	
	7' -1 1/1" Dia.	NA	1	
			60 (total)	
Hose Station Cabinets	11 - 3'x3'x8"	NA	100	
Misc. HVAC Equipment	None	NA	50	
CCW Drain Tank	Steel Tank	CP1-CCATDT-02	100	
Pump Motors	Sump Pump Motors	CP1-CCAPDP-03, 04 CP1-WPAPCS-01 thru 04 CP1-WPAPRS-01, 02	50	
	Skimmer Pump Motor	CP1-SFAPRS-01		
Valves	Misc. Small Valves	NA	100	
Misc. Mech. Equipment	None	NA	150	

CATEGORY 3

Sheet 3 of 3

Instrumentation

<u>Item Description</u>	<u>Designation</u>	<u>Item No.</u>	<u>Area, Sq. Ft.</u>
Switches	51 at 0.5 sq. ft.	NA	16
Transmitters	28 at 2.0 sq. ft.	NA	56
Indicators	5 at 0.5 sq. ft.	NA	3
Valve Operators	50 at 2.0 sq. ft.	NA	100



[illegible]

# PROTECTIVE COATINGS EXEMPT LOG

ENTRY No	ITEM OR AREA	COATING SYSTEM	SQ. FT.
1	Portions of Hooplers (pipe, elbows, tees, and whip assemblies) (TUBCO memo QTR-4/16) dated 10/12/82 Unit I	inorganic zinc - phenolic epoxy	4325
2	Portions of Equipment (cans, tanks, pumps, waste strikers, etc) (Unit I) (TUBCO memo QTR-4/16) dated 10/12/82	inorganic zinc - phenolic epoxy	1730
3	Portions of Conduit Support Chart I (TUBCO memo QTR-4/16) dated 10/12/82	inorganic zinc - phenolic epoxy	1925
4	Portions of Miscellaneous Steel Chart I (handrails, toolboxes, etc) (TUBCO memo QTR-4/16) dated 10/12/82	inorganic zinc - phenolic epoxy	125
5	Category 1) From Gibbs J Hill report dated 10/12/82 - Chart I - Con't 1985 that do not meet QC requirements per report dated 10/12/82. There 10/12/82	inorganic zinc - phenolic epoxy & epoxy strikers - epoxy at duration of 172 - 1000 ft.	5100
6	Category 3. From Gibbs J Hill report dated 10/12/82 Chart I. Attached that do not meet QC requirements per report dated 10/12/82. There 10/12/82	unknown	4500
7	Unit #2 Unit Assemblies for Fuel from handling crane Chart 1 - 20 ft - 10/12/82	unknown	40

II

1735

# PROTECTIVE COATINGS EXEMPT LOG

ENTRY Nº	ITEM OR AREA	COATING SYSTEM	SQ. FT.
8	Line 11 Coatings, .5 MIL Primer, AZ 96°-98° EEL 1055-1056 RE PER 00679	Carboline CZ11 w/ Carboline 305 Top Coat.	1.5
9	Line 11 Coatings, 1.0 <sup>th</sup> Primer, AZ 220°-250° EEL 1040-1041, RE. PER 00577	Carboline CZ11 Primer w/ Carboline 305 Top Coat.	7.5
10	Line 11 Coatings, .5 MIL Primer, AZ 227°-230° EEL 1044-1045, RE. PER 00630	Carboline CZ11 Primer w/ Carboline 305 Top Coat.	4.5
11	Line 11 Coatings, .5 MIL Primer, AZ 225°-227° EEL 1045-1046 1046-1047, RE PER 00630	Carboline CZ11 Primer w/ Carboline 305 Top Coat.	2.0
12	Line 11 Coatings, .5 MIL Primer, AZ 304°-306° EEL 1048-1049 1051, RE PER 00637	Carboline CZ11 Primer w/ Carboline 305 Top Coat.	7.0
13	Line 11 Coatings, .5 MIL Primer, AZ 21°-24° EEL 1044-1045 1047-1048, RE PER 00690	Carboline CZ11 Primer w/ Carboline 305 Top Coat.	9.0
14	Line 11 Coatings, 1.0 MIL Primer, AZ 290°-300° EEL 1053-1054 RE PER 00607	Carboline CZ11 Primer w/ Carboline 305 Top Coat.	7.5
15	Line 11 Coatings, .5 MIL Primer, AZ 267°-271° EEL 1038-1042 RE PER 00631	Carboline CZ11 Primer w/ Carboline 305 Top Coat.	16.0
16	Line 11 Coatings, .5 MIL Primer, AZ 289°-295° EEL 1047-1049 RE PER 00636	Carboline CZ11 Primer w/ Carboline 305 Top Coat.	22.0
17	Line 11 Coatings, .5 MIL Primer, AZ 272°-274° EEL 1039°-1042, RE PER 00636	Carboline CZ11 Primer w/ Carboline 305 Top Coat.	10.0
18	Line 11 Coatings, .5 MIL Primer, AZ 275°-276° 30' EEL 1030-1044, RE PER 00636	Carboline CZ11 Primer w/ Carboline 305 Top Coat.	21.0
19	14 Fiberglass Sleeve Fails Above Stairs and Cold Holes on mid B 0574' DE A at EL 902	Carboline 191 Primer w Carboline 305 Top Coat	1.0 107

# PROTECTIVE COATINGS EXEMPT LOG

ENTRY NO	ITEM OR AREA	COATING SYSTEM	SQ. FT.
20	portion of inside shield floor Unit I See also CBA-00091 2-53	Carboline CZ-11 primer w/ carboline 305 topcoat	0.25
21	26 Ton deep clips on base plate Unit I approx EL 1027' Re REF 10 CBA 01019	Carboline 191 primer w/ carboline 305 topcoat	39.0
22	MAINTENANCE CLIMATE CONTROL TOWER - 01 EL 860'-0" RE. DCA 17142 11/1/12	AMORPHOUS DIOL/ANISOL 10601 PHENOLINE 305 TOPCOAT #7000 primer INTERNAL NUTEC 115/111/1201	500 <sup>sq</sup> 2300.
23	FLOOR COATING APPLIED WITH MINIMUM 7 DAY DRY ENTIRE THAN 28 DAY - AT 340' @ EL 205'-9" RAD 594" TO 642" AZ NOTED IS 4-DE RI TRANSFER #111 0034224 11/1/12 CHECKER JL ON UNIT I POLAR CRANE AREA TRASH COMPACTOR PBT #CPI-WEBERW-DI	CZ II PRIMER W/ PHENOLINE 305 TOPCOAT TOUCH UP VENEER COAT (UNCERT) W/ 191/305 SYSTEM	6.0 2,400.0 98.0
24	NE		
25	CONTAINERS ON POLAR CRANE GIRDERS (REFER) BAK SIDE NEXT TO LINER, AREA OF BUS BAR AS 14 GARDER SUPPORT BRACKETS (REF DCA 3270) have	CZ II PRIMER W/ PHENOLINE 305 TOPCOAT	2,700.0
26			
27	COATINGS APPLIED TO THE 8 INSPECTION CHIMNEYS UNIT I @ ELEVATION 2824'-8.32' REFERENCE DCA 60114 R1 HAVE	CARBOLINE CZ II PRIMER W/ PHENOLINE 305 TOPCOAT. TOUCH UP W/ CARBOLINE 191 PRIMER # 305 TOPCOAT.	3000.0
28	SANDER COATINGS IN AREA OF LOCK WIRE TIES = SMA 1/2, 01, 03, 10; SMA 1/2, 01, 03, 10. REFERENCE DCA 20127	CARBOLINE CZ II / PHENOLINE 305 & POSSIBLE TOUCH UP W/ CARBOLINE 191 / PHENOLINE 305	110.0
29	LI BAR SADDLES FOR PIPE W/ HIP RESTRAINTS REFERENCE DCA 20128	CARBOLINE CZ II / PHENOLINE 305	385.0
30	RICHMOND INSERTS IN RST. REFERENCE AS-31 SECTION 20 SUBPARAGRAPH 2 #DCA 12, STATION 1 which WAS INCORP INTO R2 of AS-31 HAVE	CARBOLINE CZ II / POSSIBLE IMPERIAL 115 OR 11 THEN TOPCOAT OF NUTEC 1201	2,258.0 3,276.

# PROTECTIVE COATINGS EXEMPT LOG

ENTRY Nº	ITEM OR AREA	COATING SYSTEM	SQ. FT.
31	COATINGS APPLIED TO INTERIOR OF PIPE BUNDLES REF DCA 19050 INCORPORATED INTO R20205 N331	CARBOLINE CZ11/ Phenoline 305 TOPCOAT	200.0
32	COATINGS INADEQUATELY APPLIED TO INTERIOR OF TUPSE STEEL SUPPORTS REF DCA 16101a	CARBOLINE CZ11/ Phenoline 305 TOPCOAT	6000.0
33	COATINGS ON TOP OF POLAR CRANE SUPPORT GIRDERS UNIT 1 BLDG. RE DCA 19707 - <i>found</i>	CARBOLINE CZ11/ Phenoline 305 TOPCOAT	1040.0
34	SUPPORT L'S FOR LIFE LINES @ EL 1000' 4" & SUPPORT CLIPS FOR LIFE LINES @ EL 253'-8" RE DCA 20170	CARBOLINE 191/ Phenoline 305 TOPCOAT	58.0
35	RESI AREA 40 & 32, EXPOSED PIPE UNITS PRIMED UNDER AS 30 REQUIREMENTS - RE DCA 20252 (UNIT 1)	CARBOLINE 191 PRIMER	3.0
36	<u>WESTINGHOUSE</u> EQUIPMENT MEETING THE CATEGORY 3 REQUIREMENTS AS REFERENCED IN WESTINGHOUSE POSITION LETTER RG 154 RD	UNKNOWN <i>Category 3 - <del>found</del></i>	90.0
37	UNIT 1 REACTOR BLDG ROTATING ACCESS TIE LINES LST ITS ASSOCIATED MECH EQUIPMENT - <i>?</i> NCR - C84-01488 R 3	KEELER & LONGS 60548 PRIMER WJ #7475 TOPCOAT.	500.0
38	UNIT 1 REACTOR BLDG POLAR CRANE CABLE DRUMS RE NCR CB9 01424	CARBOLINE CZ11 PRIMOR / 305 TOPCOAT	288.0
39	CONFINEMENT ACCESS ROTATING PLATFORM HAND RAILS SINR TREND GRATING <i>?</i> NCR - C84-01488 R 3	KEELER & LONGS 60548 PRIMER WJ #7475 TOPCOAT.	170.0
40	FACE OF CONNECTING R'S ON EAST SIDE OF SOUTH END GIRDER ON UNIT 1 POLAR CRANE - RE. NCR C84-01508 NCR - C- <i>?</i>	CARBOLINE 191 PRIMER / 305 TOPCOAT	5.0
41	RESI ROOM 153 CONCRETE COATINGS <i>00096 R1 ?</i> <i>REACTOR BUILDING</i>	IMPERIAL NUPEC 115/111/1201 SYSTEM	3135
42	<u>WESTINGHOUSE</u> EQUIPMENT MEETING THE CATEGORY 2 REQUIREMENTS AS REFERENCED IN WESTINGHOUSE POSITION LETTER RG 154 RD (UNIT 1)	UNKNOWN <i>(w) Category 3 - <del>found</del></i>	3950 779. 232

# PROTECTIVE COATINGS EXEMPT LOG

ENTRY Nº	ITEM OR AREA	COATING SYSTEM	SQ. FT.
43	EXPOSED COATING ON THE EXCESS KENDOWD HEAT EXCH. AND COVER RE'S AND ASSOCIATED MECH. EQUIP FOR THE CONTAINMENT SUMP DRAIN PUMPS. (ITEMS LISTED UNIT 1 ONLY) REF DCA# _____ ?	CARBOLINE CZ11/305	100.0
44	PROTECTIVE COATING APPLIED TO NUTS, BOLTS, AND STUDS, THREADED END AND URBOLTS IN RBTI _____ ?	CARBOLINE CZ11 OR 191 PRIMER WT 305 TOPCOAT	2950.0
45	CONTAINMENT ACCESS RADIATING PLATFORM (UPPER 1/2) REF NCR 684-01381 OUT OF TOL THICKNESS COATINGS	KEELER ELONG PRIMER 6548 WT AB 61-SERIES EPOXY ENAMEL (7475 WHITE) TOPCOAT	250.0
46	CONTAINMENT ACCESS RADIATING PLATFORM (LOWER 1/2) & minor REPAIR ON UPPER 1/2. REF NCR C-84-01488 R 4 Xerox	KEELER ELONG PRIMER 6548 WT AB 61-SERIES EPOXY ENAMEL (7475 WHITE) TOPCOAT C always on by manufacturer	1650.0
47	RBI ACCESS LADDER @ 6 ELEV MECHRM. FROM 950' 9" TO 100' 3" 6" INCLUDING LINGS, CAGE, ATTACHES, & REPAIR TO LINER COATINGS. JR DCA 20759	CARBOLINE CZ 11 PRIMER OR 191 TOPCOAT WT CARBOLINE 305	225.0
48	CONCRETE COATINGS INTERIOR TO ELEVATOR ENCLOSURE UNIT 1 RBTI REF DCA 1836 R3 (LOW'UP)	IMPERIAL NUCOL 1201 TOPCOAT	2700.0
49	PROTECTIVE COATINGS ON SEAL WHEELS INTERIOR OF ELEVATOR ENCLOSURE RBTI REF DCA 1836 R3	CARBOLINE CZ 11 PRIMER WT Phenobline 305 TOPCOAT.	600.00
50	PROTECTIVE COATINGS INADVERTENTLY APPLIED TO EXPANSION JOINT MTL RBTI. _____ ?	UNKNOWN	125.0
		<div> <div>2700</div> <div>600</div> <div>125</div> <div>3425</div> <div>52,120</div> <div>55545</div> </div>	<div> <div>8,600</div> <div>321</div> </div>



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SPEC TUGCO(2)

C

MAR 20 1984

Page 1 of 3

GIBBS & HILL Inc

COMANCHE PEAK STEAM ELECTRIC STATION  
DESIGN CHANGE AUTHORIZATION

~~XXXX~~ (WILL NOT) BE INCORPORATED IN DESIGN DOCUMENT

DCA NO. 3270 Rev. 3

1. SAFETY RELATED DOCUMENT: XX YES      NO
2. ORIGINATOR: CPPE XX ORIGINAL DESIGNER
3. DESCRIPTION:

#26  
2700/142

A. APPLICABLE SPEC/DWG DOCUMENT 2323-AS-31 REV. 2

B. DETAILS THIS REVISION VOIDS AND SUPERSEDES DCA 3270 Rev. 2.

Request authorization to perform coating operations under specification 2323-AS-30 in Containment 1 & 2 @ Elevation 950'-7" to 947'-7" in the Polar Crane Girder area. Coatings encompass those applied to the back side of the Polar Crane Girders, i.e., liner side of Girder, coatings applied to girder bracket supports shown in section B-B of attached, coatings applied to the bus bar enclosure and behind the enclosure on the girder, and those applied to the bus bar brackets.

SOLUTION: Coatings applied to the area as stated above shall be under AS-30 guidelines with AS-31 specified coatings being utilized. The coatings shall be quantified and placed into the coating exempt log as referenced in section 1.1 of the above applicable specification.

35-1195

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4. SUPPORTING DOCUMENTATION:

Exempt Log Item #26

MAR 24 1984

DOCUMENT CONTROL

5. APPROVAL SIGNATURES: MW/bb

3-19-84

A. ORIGINATOR: Mark Welch DATE 3-19-84

B. DESIGN REPRESENTATIVE: RM Kiss DATE 3-19-84

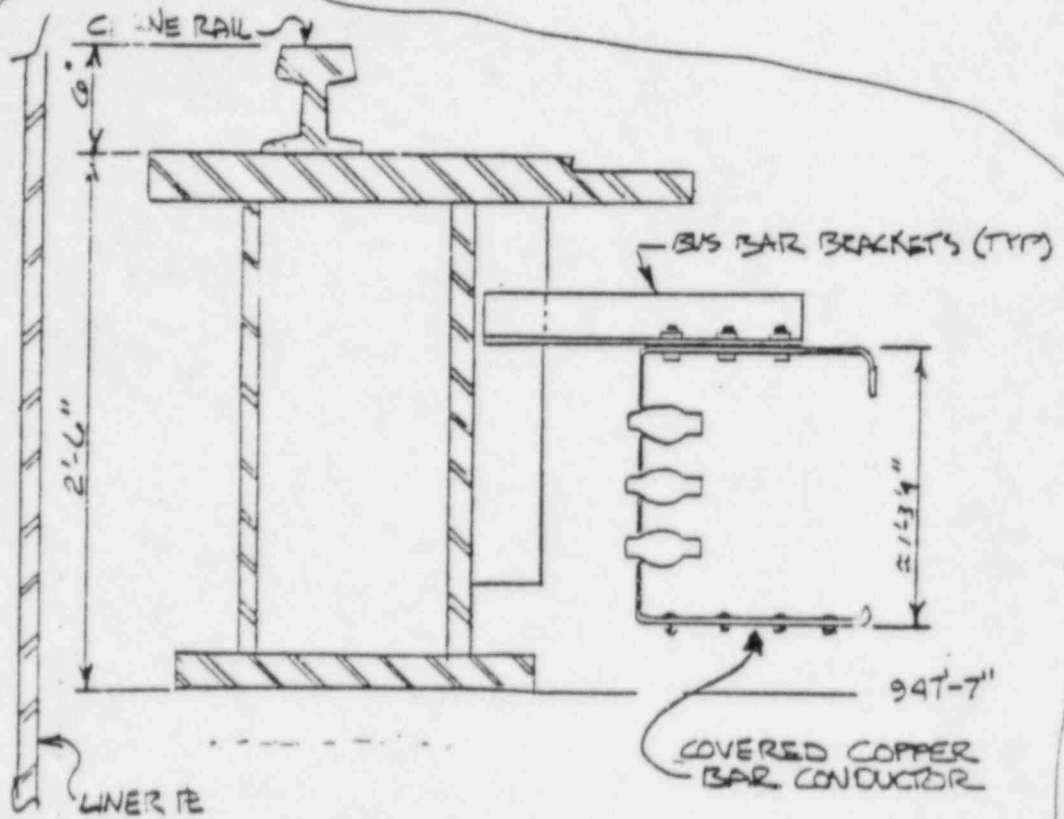
C. DESIGN REVIEW PRIOR TO ISSUE: 2/19/84 DATE 3-21-84

6. VENDOR RELATED CHANGE: XX NO      YES: P. O. NUMBER:

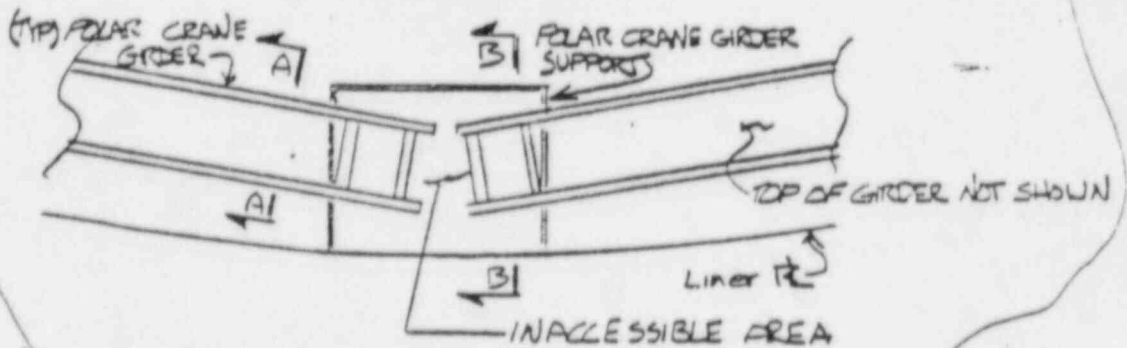
7. STANDARD DISTRIBUTION:

ARMS (ORIGINAL)	(1)	Mark Welch-QA	(1)
QUALITY ENGINEERING	(1)	Civil Engineering	(1)
DCTG FOR ORIG. DESIGN	(1)	Design Review	(1)
WESTINGHOUSE	(1)		

DCA FORM 9-83



BUS BAR SECT  
SECTION A-A



PART PLAN

**Brown & Root, Inc.**

HOUSTON, TEXAS



CONT. NO.

35-1196

TITLE

OWNER

LOCATION OF PROJECT

TEXAS UTILITIES SERVICES, INC.

G.P.S.E.S. GLEN ROSE, TEXAS

DWG. NO.

DLA 3270 R 3

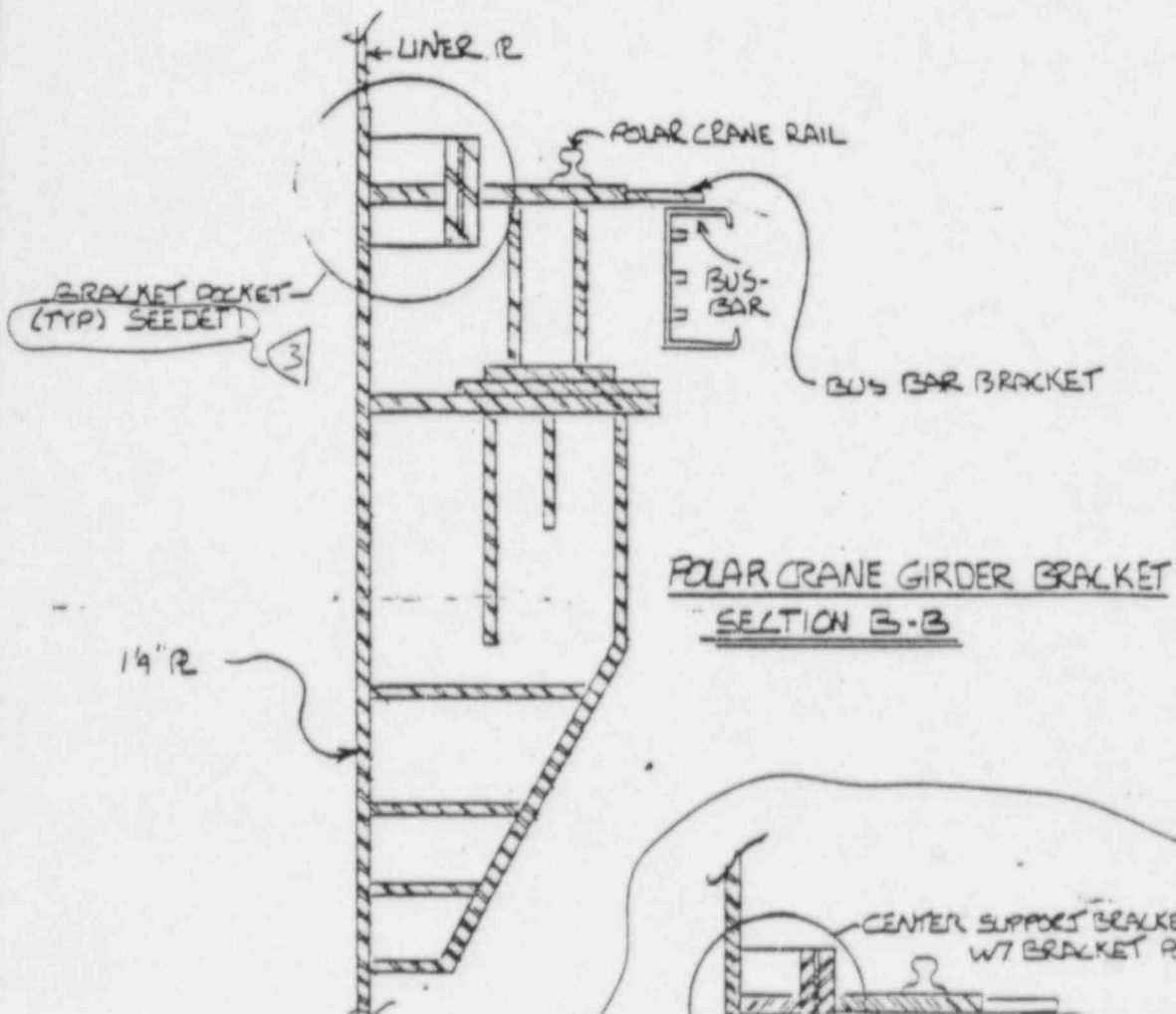
DRAWN BY

CHECKED

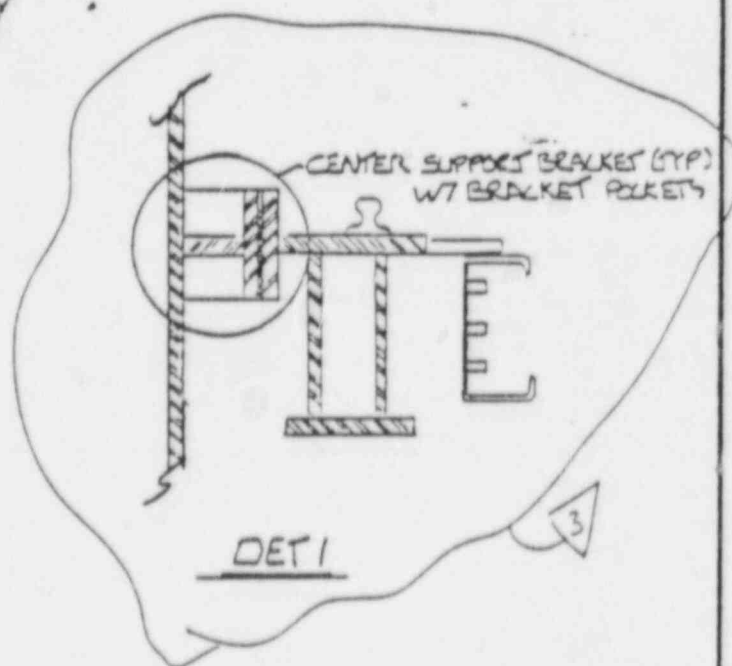
APPROVED

DATE

SHT. 2 of 7



POLAR CRANE GIRDER BRACKET  
SECTION B-B



<b>Brown &amp; Root, Inc.</b>		HOUSTON, TEXAS		CONT. NO. 35-1195
TITLE _____				DWS. NO. QA 32 70 K 3
OWNER TEXAS UTILITIES SERVICES, INC.				
LOCATION OF PROJECT C. P. S. E. S. GLEN ROSE, TEXAS				SHT. 3 of 3
DRAWN BY _____	CHECKED _____	APPROVED _____	DATE _____	

RECEIVED  
APR 11 1984

SPEC TUGCO(2)

Page 1 of 7

CONCHE PEAK STEAM ELECTRIC STATION  
DESIGN CHANGE AUTHORIZATION

XXXX (WILL NOT) BE INCORPORATED IN DESIGN DOCUMENT

DCA NO. 17,142 Rev. 3

1. SAFETY RELATED DOCUMENT: XX YES NO

2. ORIGINATOR: CPPE XX ORIGINAL DESIGNER

3. DESCRIPTION:

A. APPLICABLE SPEC/ ~~XXXXXX~~ 2323-AS-31

REV. 2

B. DETAILS THIS REVISION VOIDS AND SUPERSEDES DCA 17,142 Rev. 2.

Request clarification of topcoating required for the Manipulator crane (TBX-FHSCMC-01) @ EL. 860'-0" in Reactor Bldg. #1 which was received with epoxy coating from the vendor.

SOLUTION: Patch adhesion tests were performed on the subject equipment per Paragraph 9.2.2 of AS-31 in the above applicable specification with acceptable results. (See attached inspection reports.)

Phenoline 305 topcoat by Carboline Corp. shall be applied utilizing specification 2323-AS-30 coating requirements with the following as guidelines:

(1) After the existing vendor applied coating is abraded to acceptable "non-glossy" finish, the surface shall be wiped prior to application of 305 topcoat, with Xylol to remove loose particles.

(Continued on Page 2)

35-1195

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4. SUPPORTING DOCUMENTATION:

Protective Coating Exemption Log Entry #22

APR 13 1984

5. APPROVAL SIGNATURES: MW/bb

DOCUMENT CONTROL  
4-10-84

A. ORIGINATOR: Mark Welch

DATE 4/10/84

B. DESIGN REPRESENTATIVE: RM Hissong

DATE 4-10-84

C. DESIGN REVIEW PRIOR TO ISSUE: P. J. Shon

DATE 4/13/84

6. VENDOR RELATED CHANGE: XX NO YES P. O. NUMBER:

7. STANDARD DISTRIBUTION:

ARMS (ORIGINAL)	(1)	Mark Welch-QA	(1)
QUALITY ENGINEERING	(1)	Civil Engineering	(1)
DCTG FOR ORIG. DESIGN	(1)	Design Review	(1)
WESTINGHOUSE	(1)		

DETAILS (Cont)

- (2) Apply Phenoline 305 topcoat to achieve a dry film thickness of 3 to 7 mils. Utilize WFT gauges during application to determine proper thickness.

[illegible]

FILE NO. 100-36921	LR. CLASS <input type="checkbox"/>	DATE	SIGNATURE	OC INSPECTOR
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0-41-013617-1 0-41-013617-1	I.R. CLOSED <input checked="" type="checkbox"/>	DATE	SIGNATURE _____ GC DIRECTOR
--------------------------------	---	------	--------------------------------



# RCB-1 BACKFIT NCR'S

## STEEL

ELEV.	LINER PLATE	C.T.H.'s	PIPE HGRS.	COND. SUPPORTS	MISC. STEEL
808-832	CE1-01567-R4	CE1-01370-R5	CE1-01372-R4	CE1-01371-R6	CE1-01373-R5
832-860	CE3-01580-R1	CE3-01566-R1	CE3-01572-R1	CE3-01569-R1	CE3-01575-R1
860-905	CE3-01579-R1	CE3-01565-R1	CE3-01573-R1	CE3-01570-R1	CE3-01576-R1
905-1064	CE3-01578-R1	CE3-01564-R1	CE3-01574-R1	CE3-01571-R1	CE3-01577-R1

## FLEV. RCB#1 CONCRETE

781-783	CE1-01613-R4	M. S. needed	C-83-03103 R2 DFT stays
783-808	CE3-01722		4 R2 DFT stays
808-832	CE3-01721		5 R2 DFT stays
832-860	CE3-01720		6 R1 add to
860-933	CE3-01719		

## RCB-2 STEEL

ELEV.	LINER PLATE	C.T.H.'s	PIPE HGRS.	COND. SUPPORTS	MISC. STEEL
808-832	CE3-01622-R1	CE3-01624-R1	CE3-01626-R1	CE3-01625-R1	CE3-01627-R1
832-860	CE3-01603-R1	CE3-01615-R1	CE3-01609-R1	CE3-01612-R1	CE3-01606-R1
860-905	CE3-01604-R1	CE3-01616-R1	CE3-01610-R1	CE3-01613-R1	CE3-01607-R1
905-1064	CE3-01605-R1	CE3-01617-R1	CE3-01611-R1	CE3-01614-R1	CE3-01608-R1

## RCB-2 CONCRETE

ELEV.	
781-783	CE1-01823-R2
783-808	CE3-01726
808-832	CE3-01725
832-860	CE3-01724
860-933	CE3-01723



SUBFILE LOG  
C-84-01488 R4

#40 = 1650 ft ± 2

UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	DATE TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
1	RCB	Conf. Area Rotating Platform	CR1-MESCRP01	AC-43 Elev. 1006'6"	N/A

NONCONFORMING CONDITION

Contrary to the requirements of QI-QP-11.4-26 R.E. Keeler & Long, Epoxy Primer & Finish Coat was applied to various areas on the lower portion of the containment access rotating platform. The nonconforming conditions are as follows: 1) Coatings were applied without O.C. inspection/verification, 2) Substrate surface acceptability, environmental conditions, qualification of applicators, mixing and batch log, verification and monitoring of application, thus rendering the quality of the above indeterminate. Hold Tag Applied. \*

Note: Coating activities continued after hold tag applied, ref. CAR 037 - Xut

Ref Travelers & Pkg. #43-D P21-UI-000083, P21-UI-000087, P21-UI-000089

REFERENCE DOCUMENT: QI-QP-11.4-26

INFORMATION PARA 2.11.1

REPORTED BY:

Gene Johnson

W 7/24/84

DATE:

7/24/84

QE REVIEW/APPROVAL:

*[Signature]*

DATE:

7/24/84

ACTION ADDRESSEE

Trieste

DEPARTMENT

Eng.

DISPOSITION:

REWORK

REPAIR

USE AS IS

SCRAP

Coatings on the lower half of the containment access rotating platform are indeterminate. Coatings applied have been placed on the protective coating exemption log as indeterminate. Reference item #46. In addition, minor repair performed on upper half of the subject equipment (repairs to torque testing, scratches, etc.) are also listed as indeterminate and included in item #46 exemption Log listing.

ENG. REVIEW/APPROVAL

*[Signature]*

DATE:

7/24/84

QE REVIEW APPROVAL:

*[Signature]*

DATE:

7/24/84

DISPOSITION VERIFICATION & CLOSURE

*[Signature]*

DATE:

7/24/84

COMMENTS:

Rev. 4. Issued to revise disposition.

TEXAS UTILITIES  
GENERATING CO

COMANCHE PEAK STEAM ELECTRIC STATION  
NONCONFORMANCE REPORT (NCR)

NCR No.  
C84-01488R3

UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
1	RCB	Containment Acc rotating platform	CP-1-MESCRP-01	A/C 43 Elev. 1006'-6"	N/A

NONCONFORMING CONDITION

Contrary to the requirements of QI-QP-11.4-26 R5 Keeler & Long Epoxy Primer & Finish Coat was applied to various areas on the lower portion of the Containment Access Rotating Platform. The non-conforming conditions are as follows: 1) Coatings were applied without Q.C. inspection/verification, 2) Substrate surface acceptability, environmental conditions, qualification of applicators, mixing and batch log verification, and monitoring of application, thus rendering the quality of the above indeterminate. Hold tag applied.

Note: Coating activities continued after hold tag applied ref. CAR 037.

Ref. Travelers: PKG-1-43-D PCI-U1-000083  
PCI-U1-000087 PCI-U1-000089

REFERENCE DOCUMENT: QI-QP-11.4-26

REPORTED BY:

GENE JOHNSON

*Gene Johnson*

REV

5

PARA

2.11.1

DATE:

5/15/84

QE REVIEW/APPROVAL:

*Neil Britton*

DATE:

5/15/84

ACTION ADDRESSEE

G. TRIESTE

DEPARTMENT

ENGR.

DISPOSITION:

REWORK

REPAIR

USE AS IS

SCRAP

Partial Disposition: ?

- 1) Trolley and associated equipment is to be coated under the requirements of specification 2323-AS-30. Ref. Protective Coating Exemption Log item #37.
- 2) Handrails located in the area referenced above and all stair treads/grating to be coated under the requirements of specification 2323-AS-30. Ref. Protective Coating Exemption Log item #39.
- 3) This partial disposition provides temporary waiver for coating activities to continue on the remaining items, in the area referenced above, and minor touch up and repair as required on the upper portion of the rotating platform, under specification 2323-AS-30 requirements pending further evaluation.

ENG. REVIEW/APPROVAL

*Mark Webb*

DATE:

5/15/84

QE REVIEW APPROVAL:

*DeMaso*

DATE:

5/15/84

DISPOSITION VERIFICATION & CLOSURE:

DATE:

1/1

COMMENTS:

Rev. 3 issued to revise disposition

TEXAS UTILITIES  
GENERATING CO

COMANCHE PEAK STEAM ELECTRIC STATION  
NONCONFORMANCE REPORT (NCR)

NCR NO.  
C89-01488R2

UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OF ELEVATION	RIR NO.
1	RCB	Containment Acc Rotating Platform	CPI-ME SCRP-01	A/C 43 Elev. 1006'-6"	N/A

NONCONFORMING CONDITION

Contrary To The requirements of Q1-OP-11.4-26 RS Keeler & Long EPOXY Primer & Finish Coat was applied to various Areas on the lower portion of the Containment Access Rotating Platform. The Non-Conforming Conditions are as follows: (1) Coatings were applied without Q.C. Inspecting Verification (2) Substrate surface acceptability, Environmental conditions, Qualification of applicators, Mixing and Batch lots verification, and monitoring of application, thus rendering the quality of the above indeterminate. Hold Tags applied.

Note: Coating activities continued after Hold Tags applied Ref CAR 032

Ref Travelers: PKG 1-43-D RI-UI-000083

REFERENCE DOCUMENT: Q1-OP-11.4-26 RI-UI-000087 RI-UI-000089 REV 5 PARA 2.11.1

REPORTED BY:

GELE JOHNSON

Gene Johnson

DATE:  
5/15/84

QE REVIEW/APPROVAL:

Neil Buton

DATE:  
5/15/84

ACTION ADDRESSEE

G. TRIESTE

DEPARTMENT:  
ENGR.

DISPOSITION:

REWORK

REPAIR

USE AS IS

SCRAP

Partial Disposition:

- 1) Holed and associated equipment is to be coated under the requirements of specification 2323-AS-30 ~~requirements~~ <sup>5/15/84</sup>. Ref Protective Coatings exemption Log item # 37.
- 2) Hand Rails located in the area referenced above and all stair treads/grating, to be coated under the requirements of specification 2323-AS-30 ~~requirements~~ <sup>5/15/84</sup>. Ref Protective Coatings exemption Log item # 39.
- 3) This Partial Disposition Provides Temporary Waiver for coating activities to continue on the remaining items, in the area referenced above, under specification 2323-AS-30 requirements pending further evaluation.

ENG. REVIEW/APPROVAL

Mark Wells

DATE:  
5/15/84

QE REVIEW APPROVAL

Neil Buton

DATE:  
5/15/84

DISPOSITION VERIFICATION & CLOSURE:

DATE:  
/ /

COMMENTS:

Rev 2 issued to clarify non conforming condition



AS UTILITIES  
GENERATING CO.

COMANCHE PEAK STEAM ELECTRIC STATION  
NONCONFORMANCE REPORT (NCR)

NCR No.  
CB4-01488R

UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
1	RCB	CONTAINMENT ACCESS ROTATING PLATFORM	CPI-MESCEP-01	AIC 43 ELEV. 1006'6"	N/A

NONCONFORMING CONDITION CONTRARY TO THE REQUIREMENTS OF QI-QP11.4-26 R 5,  
EPOXY PRIMER WAS APPLIED TO SEVERAL SPOT AREAS  
IN THE LOWER PORTION OF THE CONTAINMENT ACCESS ROTATING  
PLATFORM. THE NON-CONFORMING CONDITIONS ARE AS FOLLOWS:  
- COATINGS WERE APPLIED WITHOUT QUALITY CONTROL INSPECTION/VE-  
- RIFICATION ON: SUBSTRATE SURFACE ACCEPTABILITY, ENVIRONMENTAL  
- CONDITIONS, QUALIFICATION OF THE APPLICATORS, MIXING & BATCH  
- QUANTIFICATION, AND MONITORING OF THE APPLICATION. AFTER  
- ABOVE NON CONFORMANCE NUMBER WAS ISSUED AND HOLD  
- TAGS ATTACHED COATING APPLICATION CONTINUED. NOTE: SCOPE  
- OF NCR DOES NOT COVER TROLLEY WHICH IS COATED NON-Q UNDER  
- SPEC. 2323 AS 30 AND IS ENTRY # 37 ON THE EXEMPT LOG. THIS RENDERING  
- QUALITY UNACCEPTABLE. REF: TRAVELERS PKG. 1-43-D  
- HOLD TAG APPLIED REF: CAR# 037  
- REF: UI-000087  
- UI-000083  
- UI-000089

REFERENCE DOCUMENT: QI-QP11.4-26 REV 5 PARA 2.11.1

REPORTED BY: GENE P JOHNSON Gene P Johnson DATE: 5/14/84

REVIEW/APPROVAL: [Signature] DATE: 5/14/84  
ACTION ADDRESSEE: G. TRIESTE DEPARTMENT: ENGR

DISPOSITION: REWORK \_\_\_\_\_ REPAIR \_\_\_\_\_ USE AS IS \_\_\_\_\_ SCRAP \_\_\_\_\_

INFORMATION  
COPY  
PPRV

ENG. REVIEW/APPROVAL: DATE: / /

REVIEW APPROVAL: DATE: / /

DISPOSITION VERIFICATION & CLOSURE: DATE: / /

COMMENTS: Rev 1- Issued to clarify nonconformance.

TEXAS UTILITIES  
GENERATING CO

COMANCHE PEAK STEAM ELECTRIC STATION  
NONCONFORMANCE REPORT (NCR)

NCR No  
C-84-01488

UNIT	STRUCTURE/SYSTEM	ITEM/COMPONENT	TAG/ID NUMBER	LOCATION OR ELEVATION	RIR NO.
1	RCB	CONTAINMENT ACCESS ROTATING PLATFORM	CP1-MESCRPO	AREA CODE 43 ELEV. 1006'6"	N/A

NONCONFORMING CONDITION CONTRARY TO THE REQUIREMENTS OF QI-QP-11.4-26 P.5, KEELER & LONG EPOXY PRIMER WAS APPLIED TO SEVERAL SPOT AREAS ON THE LOWER PORTION OF THE CONTAINMENT ACCESS ROTATING PLATFORM. THE NONCONFORMING CONDITIONS ARE AS FOLLOWS: COATINGS APPLIED WITHOUT QUALITY CONTROL INSPECTION/VERIFICATION ON: SUBSTRATE SURFACE ACCEPTABILITY, ENVIRONMENTAL CONDITIONS, QUALIFICATION OF APPLICATOR(S), MIXING & BATCH LOG VERIFICATION, AND MONITORING OF THE APPLICATION. THE ABOVE STATED VIOLATIONS RENDER THE QUALITY OF THE COATINGS APPLIED INDETERMINATE.

1 HOLD TAG APPLIED

REFERENCE DOCUMENT: QI-QP-11.4-26 REV 5 PARA 2.11.1

REPORTED BY: GENE P. JOHNSON *Gene P. Johnson* DATE: 5/12/84

QE REVIEW/APPROVAL: James Utkin FOR M.G. KRISHER DATE: 5/12/84  
ACTION ADDRESSEE: G. TRIESTE DEPARTMENT: ENG.

DISPOSITION: REWORK \_\_\_\_\_ REPAIR \_\_\_\_\_ USE AS IS \_\_\_\_\_ SCRAP \_\_\_\_\_  
Request Temporary waiver to continue work.  
REASON: lower half incl. botley is being declassified.  
INFORMATION COPY PPRV

ENG. REVIEW/APPROVAL: *Ram Sater* DATE: 5/12/84

QE REVIEW APPROVAL: DATE: / /

DISPOSITION VERIFICATION & CLOSURE: DATE: / /

COMMENTS:

COMANCHE PEAK STEAM ELECTRIC STATION  
DESIGN CHANGE AUTHORIZATION

CHANGE INDEX:OEI \_\_\_\_\_  
: II \_\_\_\_\_  
:III XX

C

(WILL) (WILL NOT) BE INCORPORATED IN DESIGN DOCUMENT DCA NO. 12,374 Rev. 1

1. SAFETY RELATED DOCUMENT: XX YES \_\_\_\_\_ NO

2. ORIGINATOR: CPPE XX ORIGINAL DESIGNER \_\_\_\_\_

3. DESCRIPTION:

*2258/42*  
*Richmond inserts #20*

A. APPLICABLE SPEC/~~W/DOCUMENT~~ 2323-AS-31 REV. 1

B. DETAILS THIS REVISION VOIDS AND SUPERSEDES DCA-12,374 Rev. 0.

In Reactor Building Unit 1 and 2 numerous Richmond inserts exist embedded in the concrete. Request guidelines for coating the exposed face of these inseres. Solution: The exposed face of the inserts shall be primed with inorganic zinc primer and topcoated with Imperials Nutec 1201 topcoat.

Although not required, a skim coat of Nutec 11S or 11 may be applied over the zinc primed insert to facilitate construction. Due to the size and configuration of these inserts, coating activities shall be performed in accordance with

2323-AS-30 coating specification. When performing this coating activity, tie in area around the insert face shall be a maximum of 1/2" into previously coated surface.

4. SUPPORTING DOCUMENTATION:

FOR OFFICE AND

ENGINEERING USE ONLY

5. APPROVAL SIGNATURES: MW/sgf

11-2-82

A. ORIGINATOR: *M. W. Weber*

DATE 11/2/82

B. DESIGN REPRESENTATIVE: *CR Horton*

DATE 11/3/82

6. VENDOR TRANSMITTAL REQUIRED: YES \_\_\_\_\_ NO XX

7. STANDARD DISTRIBUTION:

ARMS (Original) (1)  
Quality Engineering (1)  
TS for Orig. Design (1)  
Westinghouse-Site (1)  
Civil Engineering (1)

DCA FORM 11-80  
Admin. Rev 7-82

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COMANCHE PEAK STEAM ELECTRIC STATION  
DESIGN CHANGE AUTHORIZATION

(X) (WILL NOT) BE INCORPORATED IN DESIGN DOCUMENT

DCA NO. 19,707 R1

1. SAFETY RELATED DOCUMENT: XX YES      NO2. ORIGINATOR: CPPE XX ORIGINAL DESIGNER     

3. DESCRIPTION:

A. APPLICABLE SPEC ~~2323-AS-30~~ 2323-AS-31 REV. 2

B. DETAILS Due to construction activities, the protective coatings on the top of the polar crane support girders has been damaged or worn in areas exposing primer and substrate. Grease and oil have impregnated the exposed inorganic zinc primer and onto substrate in areas. Steam cleaning and blasting the surface to reapply the protective coating system is not practical due to possible damage to equipment and components from the cleaning operations. Request clarification on coating requirements.

SOLUTION: The top of the polar crane support girders shall not require additional topcoat application, but as a minimum, all exposed substrate shall receive primer application with inorganic zinc primer in accordance with Specification 2323-AS-30. Specification 2323-AS-31 material shall be utilized.

35-1195

RECEIVED

4. SUPPORTING DOCUMENTATION:

FOR OFFICE AND  
ENGINEERING USE ONLY

MAR 31 1984

DOCUMENT CONTROL

5. APPROVAL SIGNATURES:

A. ORIGINATOR: C.B. Jones DATE 3/31/84B. DESIGN REPRESENTATIVE: C.B. Jones DATE 3/31/84C. DESIGN REVIEW PRIOR TO ISSUE: NA C.B. Jones DATE 3/31/846. VENDOR RELATED CHANGE: XX NO      YES: P. O. NUMBER:     

7. STANDARD DISTRIBUTION:

ARMS (ORIGINAL)	(1)	Mark Welch - QA	(1)
QUALITY ENGINEERING	(1)	Civil Engineering	(1)
DCTG FOR ORIG. DESIGN	(1)	Design Review	(1)
WESTINGHOUSE	(1)		

COMANCHE PEAK STEAM ELECTRIC STATION  
DESIGN CHANGE AUTHORIZATION

(XXXX) (WILL NOT) BE INCORPORATED IN DESIGN DOCUMENT

DCA NO. 6114 Rev 1

1. SAFETY RELATED DOCUMENT: xx YES      NO
2. ORIGINATOR: CPPE xx ORIGINAL DESIGNER
3. DESCRIPTION:

A. APPLICABLE SPEC/~~XXXXXXXXXX~~ 2323-AS-31 REV. 2

B. DETAILS THIS REVISION VOIDS AND SUPERSEDES DCA 6114 REV.0

Due to the installed configuration of the 8 inspection chambers in Unit.1

Reactor Building @ elevation 824'-0"-832'0", sand blasting of these units

under AS-31 requirements is not possible. Request clarification of coating requirements of these units.

Solution: The 8 inspection chambers including the access plugs, as referenced above, shall be coated under 2323-AS-30 requirements.

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ENGINEERING USE ONLY35-1195  
RECEIVED

MAR 24 1984

DOCUMENT CONTROL

4. SUPPORTING DOCUMENTATION:

Coating Exemption log entry #27

5. APPROVAL SIGNATURES: MW/bb

A. ORIGINATOR: Mark Wells DATE 3/24/84B. DESIGN REPRESENTATIVE: DePatanker DATE 3/24/84C. DESIGN REVIEW PRIOR TO ISSUE: M. Trieste DATE 3-24-84

6. VENDOR RELATED CHANGE:
- xx
- NO
- 
- YES: P. O. NUMBER:
- 

7. STANDARD DISTRIBUTION:

ARMS (ORIGINAL)	(1)	Mark Welch-QA	(1)
QUALITY ENGINEERING	(1)	Civil Engineering	(1)
DCTG FOR ORIG. DESIGN	(1)	Design Review	(1)
WESTINGHOUSE	(1)		