50-305

RESPONSE TO NUREG-0737 ITEM II.D.1

Docket # 50-305
Control # 8403280048
Date 3/23/84 of Document:
REGULATORY DOCKET FILE

.0880	823.	0.	1516.	0.	0.	0.	.0023	-.0110	-.0135	.0284	-.0761	-.0054	0.
.0890	87.	0.	160.	0.	0.	0.	.0095	-.0072	-.0065	.0308	-.0788	-.0083	0.
.0900	-725.	0.	-1334.	0.	0.	0.	.0168	-.0030	.0017	.0300	-.0785	-.0085	0.
.0910	-1486.	0.	-2736.	0.	0.	0.	.0225	.0012	.0099	.0266	-.0739	-.0042	0.
.0920	-2050.	0.	-3776.	0.	0.	0.	.0253	.0053	.0168	.0206	-.0669	.0020	0.
.0930	-2302.	0.	-4240.	0.	0.	0.	.0247	.0094	.0209	.0125	-.0598	.0057	0.
.0940	-2200.	0.	-4051.	0.	0.	0.	.0206	.0136	.0216	.0035	-.0521	.0048	0.
.0950	-1773.	0.	-3266.	0.	0.	0.	.0138	.0176	.0189	-.0052	-.0431	.0015	0.
.0960	-1112.	0.	-2048.	0.	0.	0.	.0056	.0214	.0135	-.0134	-.0336	-.0008	0.
.0970	-332.	0.	-611.	0.	0.	0.	-.0027	.0251	.0064	-.0215	-.0237	.0011	0.
.0980	470.	0.	866.	0.	0.	0.	-.0100	.0287	-.0016	-.0305	-.0125	.0076	0.
.0990	1247.	0.	2297.	0.	0.	0.	-.0154	.0325	-.0102	-.0419	.0003	.0165	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION DIS TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1000	2001.	0.	3685.	0.	0.	0.	-.0191	.0365	-.0194	-.0554	.0137	.0242	0.
.1010	2752.	0.	5069.	0.	0.	0.	-.0212	.0409	-.0295	-.0691	.0256	.0275	0.
.1020	3507.	0.	6458.	0.	0.	0.	-.0217	.0453	-.0405	-.0802	.0325	.0248	0.
.1030	4228.	0.	7786.	0.	0.	0.	-.0205	.0494	-.0519	-.0859	.0317	.0176	0.
.1040	4822.	0.	8880.	0.	0.	0.	-.0177	.0524	-.0622	-.0850	.0234	.0095	0.
.1050	5168.	0.	9517.	0.	0.	0.	-.0129	.0538	-.0700	-.0787	.0104	.0028	0.
.1060	5162.	0.	9506.	0.	0.	0.	-.0059	.0536	-.0737	-.0704	-.0032	-.0025	0.
.1070	4772.	0.	8787.	0.	0.	0.	.0028	.0517	-.0726	-.0631	-.0132	-.0067	0.
.1080	4058.	0.	7472.	0.	0.	0.	.0122	.0481	-.0671	-.0586	-.0189	-.0111	0.
.1090	3144.	0.	5790.	0.	0.	0.	.0208	.0434	-.0582	-.0545	-.0200	-.0149	0.
.1100	2193.	0.	4039.	0.	0.	0.	.0267	.0386	-.0472	-.0474	-.0071	-.0155	0.
.1110	1418.	0.	2612.	0.	0.	0.	.0300	.0329	-.0374	-.0429	.0070	-.0190	0.
.1120	937.	0.	1725.	0.	0.	0.	.0309	.0255	-.0307	-.0408	.0134	-.0256	0.
.1130	693.	0.	1277.	0.	0.	0.	.0290	.0178	-.0261	-.0311	.0190	-.0283	0.
.1140	556.	0.	1024.	0.	0.	0.	.0254	.0120	-.0221	-.0118	.0268	-.0266	0.
.1150	398.	0.	733.	0.	0.	0.	.0222	.0081	-.0180	.0069	.0336	-.0254	0.
.1160	96.	0.	177.	0.	0.	0.	.0206	.0055	-.0126	.0175	.0415	-.0242	0.
.1170	-438.	0.	-807.	0.	0.	0.	.0209	.0045	-.0048	.0201	.0522	-.0210	0.
.1180	-1186.	0.	-2184.	0.	0.	0.	.0227	.0060	.0054	.0177	.0653	-.0141	0.
.1190	-1972.	0.	-3631.	0.	0.	0.	.0265	.0089	.0150	.0052	.0627	-.0105	0.
.1200	-2626.	0.	-4837.	0.	0.	0.	.0309	.0121	.0223	-.0123	.0442	-.0060	0.
.1210	-3071.	0.	-5655.	0.	0.	0.	.0334	.0163	.0277	-.0222	.0252	.0076	0.
.1220	-3252.	0.	-5988.	0.	0.	0.	.0346	.0229	.0297	-.0277	.0036	.0192	0.
.1230	-3190.	0.	-5875.	0.	0.	0.	.0350	.0313	.0285	-.0340	-.0176	.0238	0.
.1240	-2973.	0.	-5476.	0.	0.	0.	.0350	.0394	.0253	-.0439	-.0360	.0234	0.
.1250	-2730.	0.	-5028.	0.	0.	0.	.0346	.0469	.0219	-.0548	-.0463	.0259	0.
.1260	-2534.	0.	-4667.	0.	0.	0.	.0336	.0541	.0195	-.0654	-.0467	.0328	0.
.1270	-2333.	0.	-4296.	0.	0.	0.	.0331	.0602	.0168	-.0823	-.0502	.0415	0.
.1280	-2069.	0.	-3810.	0.	0.	0.	.0310	.0638	.0140	-.1000	-.0518	.0567	0.
.1290	-1685.	0.	-3104.	0.	0.	0.	.0263	.0652	.0108	-.1125	-.0499	.0761	0.
.1300	-1133.	0.	-2087.	0.	0.	0.	.0192	.0655	.0065	-.1208	-.0506	.0893	0.
.1310	-410.	0.	-754.	0.	0.	0.	.0100	.0643	.0007	-.1283	-.0555	.0924	0.
.1320	424.	0.	781.	0.	0.	0.	.0001	.0606	-.0064	-.1393	-.0688	.0849	0.
.1330	1223.	0.	2252.	0.	0.	0.	-.0098	.0546	-.0129	-.1489	-.0800	.0775	0.
.1340	1872.	0.	3448.	0.	0.	0.	-.0185	.0475	-.0179	-.1559	-.0861	.0743	0.
.1350	2330.	0.	4290.	0.	0.	0.	-.0245	.0391	-.0214	-.1613	-.0886	.0747	0.
.1360	2605.	0.	4796.	0.	0.	0.	-.0282	.0288	-.0235	-.1633	-.0849	.0782	0.
.1370	2759.	0.	5082.	0.	0.	0.	-.0287	.0175	-.0255	-.1641	-.0816	.0751	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

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FORCES AND MOMENTS ACT ON THE PIPING

.1260	-2534.	0.	-4667.	0.	0.	0.	.0336	.0541	.0195	-.0654	-.0467	.0328	0.
.1270	-2333.	0.	-4296.	0.	0.	0.	.0331	.0602	.0168	-.0823	-.0502	.0415	0.
.1280	-2069.	0.	-3810.	0.	0.	0.	.0310	.0638	.0140	-.1000	-.0518	.0567	0.
.1290	-1685.	0.	-3104.	0.	0.	0.	.0263	.0652	.0108	-.1125	-.0499	.0761	0.
.1300	-1133.	0.	-2087.	0.	0.	0.	.0192	.0655	.0065	-.1208	-.0506	.0893	0.
.1310	-410.	0.	-754.	0.	0.	0.	.0100	.0643	.0007	-.1283	-.0555	.0924	0.
.1320	424.	0.	781.	0.	0.	0.	.0001	.0606	-.0064	-.1393	-.0688	.0849	0.
.1330	1223.	0.	2252.	0.	0.	0.	-.0098	.0546	-.0129	-.1489	-.0800	.0775	0.
.1340	1872.	0.	3448.	0.	0.	0.	-.0185	.0475	-.0179	-.1559	-.0861	.0743	0.
.1350	2330.	0.	4290.	0.	0.	0.	-.0245	.0391	-.0214	-.1613	-.0886	.0747	0.
.1360	2605.	0.	4796.	0.	0.	0.	-.0282	.0288	-.0235	-.1633	-.0849	.0782	0.
.1370	2759.	0.	5082.	0.	0.	0.	-.0287	.0175	-.0255	-.1641	-.0816	.0751	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

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FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION DIS TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1380	2864.	0.	5275.	0.	0.	0.	-.0268	.0070	-.0281	-.1623	-.0778	.0636	0.
.1390	2987.	0.	5502.	0.	0.	0.	-.0230	-.0022	-.0321	-.1594	-.0786	.0452	0.
.1400	3135.	0.	5774.	0.	0.	0.	-.0179	-.0105	-.0370	-.1540	-.0845	.0278	0.
.1410	3244.	0.	5974.	0.	0.	0.	-.0121	-.0177	-.0417	-.1433	-.0895	.0191	0.
.1420	3252.	0.	5988.	0.	0.	0.	-.0045	-.0227	-.0460	-.1334	-.0995	.0122	0.
.1430	3090.	0.	5691.	0.	0.	0.	.0049	-.0256	-.0487	-.1254	-.1108	.0057	0.
.1440	2717.	0.	5004.	0.	0.	0.	.0152	-.0270	-.0487	-.1177	-.1182	-.0000	0.
.1450	2129.	0.	3920.	0.	0.	0.	.0255	-.0263	-.0456	-.1078	-.1164	-.0044	0.
.1460	1382.	0.	2545.	0.	0.	0.	.0349	-.0230	-.0395	-.0955	-.1048	-.0077	0.
.1470	586.	0.	1079.	0.	0.	0.	.0432	-.0173	-.0322	-.0850	-.0954	-.0140	0.
.1480	-186.	0.	-342.	0.	0.	0.	.0487	-.0104	-.0237	-.0729	-.0873	-.0162	0.
.1490	-883.	0.	-1625.	0.	0.	0.	.0509	-.0023	-.0145	-.0590	-.0812	-.0131	0.
.1500	-1480.	0.	-2725.	0.	0.	0.	.0501	.0072	-.0051	-.0462	-.0785	-.0087	0.
.1510	-1985.	0.	-3655.	0.	0.	0.	.0461	.0174	.0046	-.0353	-.0732	-.0030	0.
.1520	-2411.	0.	-4440.	0.	0.	0.	.0399	.0272	.0143	-.0290	-.0656	.0005	0.
.1530	-2779.	0.	-5118.	0.	0.	0.	.0323	.0362	.0239	-.0253	-.0516	.0033	0.
.1540	-3081.	0.	-5674.	0.	0.	0.	.0244	.0445	.0327	-.0233	-.0351	.0045	0.
.1550	-3289.	0.	-6056.	0.	0.	0.	.0164	.0516	.0401	-.0193	-.0167	.0088	0.
.1560	-3367.	0.	-6200.	0.	0.	0.	.0075	.0567	.0461	-.0097	.0080	.0218	0.
.1570	-3264.	0.	-6011.	0.	0.	0.	-.0012	.0599	.0493	-.0001	.0307	.0345	0.
.1580	-2983.	0.	-5493.	0.	0.	0.	-.0097	.0614	.0497	.0088	.0518	.0433	0.
.1590	-2561.	0.	-4716.	0.	0.	0.	-.0185	.0607	.0482	.0177	.0727	.0482	0.
.1600	-2048.	0.	-3772.	0.	0.	0.	-.0265	.0574	.0449	.0232	.0872	.0461	0.
.1610	-1528.	0.	-2814.	0.	0.	0.	-.0331	.0518	.0407	.0259	.0951	.0402	0.
.1620	-1095.	0.	-2017.	0.	0.	0.	-.0384	.0446	.0372	.0300	.1028	.0380	0.
.1630	-782.	0.	-1439.	0.	0.	0.	-.0413	.0362	.0341	.0328	.1047	.0374	0.
.1640	-585.	0.	-1078.	0.	0.	0.	-.0421	.0267	.0316	.0346	.1023	.0384	0.
.1650	-473.	0.	-871.	0.	0.	0.	-.0415	.0166	.0296	.0368	.0991	.0402	0.
.1660	-377.	0.	-695.	0.	0.	0.	-.0394	.0067	.0270	.0375	.0920	.0366	0.
.1670	-245.	0.	-452.	0.	0.	0.	-.0372	-.0025	.0239	.0391	.0854	.0297	0.
.1680	-35.	0.	-65.	0.	0.	0.	-.0355	-.0106	.0198	.0414	.0784	.0204	0.
.1690	245.	0.	451.	0.	0.	0.	-.0348	-.0172	.0152	.0454	.0731	.0119	0.
.1700	557.	0.	1026.	0.	0.	0.	-.0347	-.0217	.0105	.0497	.0681	.0038	0.
.1710	845.	0.	1557.	0.	0.	0.	-.0346	-.0240	.0062	.0526	.0604	-.0053	0.
.1720	1036.	0.	1907.	0.	0.	0.	-.0354	-.0243	.0038	.0573	.0584	-.0093	0.
.1730	1102.	0.	2029.	0.	0.	0.	-.0361	-.0225	.0032	.0600	.0577	-.0133	0.
.1740	1035.	0.	1907.	0.	0.	0.	-.0363	-.0186	.0043	.0598	.0581	-.0192	0.
.1750	856.	0.	1576.	0.	0.	0.	-.0364	-.0128	.0070	.0590	.0602	-.0248	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

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.1650	-473.	0.	-871.	0.	0.	0.	-.0415	.0166	.0296	.0368	.0991	.0402	0.
.1660	-377.	0.	-695.	0.	0.	0.	-.0394	.0067	.0270	.0375	.0920	.0366	0.
.1670	-245.	0.	-452.	0.	0.	0.	-.0372	-.0025	.0239	.0391	.0854	.0297	0.
.1680	-35.	0.	-65.	0.	0.	0.	-.0355	-.0106	.0198	.0414	.0784	.0204	0.
.1690	245.	0.	451.	0.	0.	0.	-.0348	-.0172	.0152	.0454	.0731	.0119	0.
.1700	557.	0.	1026.	0.	0.	0.	-.0347	-.0217	.0105	.0497	.0681	.0038	0.
.1710	845.	0.	1557.	0.	0.	0.	-.0346	-.0240	.0062	.0526	.0604	-.0053	0.
.1720	1036.	0.	1907.	0.	0.	0.	-.0354	-.0243	.0038	.0573	.0584	-.0093	0.
.1730	1102.	0.	2029.	0.	0.	0.	-.0361	-.0225	.0032	.0600	.0577	-.0133	0.
.1740	1035.	0.	1907.	0.	0.	0.	-.0363	-.0186	.0043	.0598	.0581	-.0192	0.
.1750	856.	0.	1576.	0.	0.	0.	-.0364	-.0128	.0070	.0590	.0602	-.0248	0.

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SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION DIS TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1760	615.	0.	1132.	0.	0.	0.	-.0359	-.0056	.0104	.0573	.0575	-.0312	0.
.1770	346.	0.	637.	0.	0.	0.	-.0353	.0025	.0140	.0577	.0514	-.0345	0.
.1780	77.	0.	141.	0.	0.	0.	-.0341	.0112	.0174	.0599	.0390	-.0358	0.
.1790	-191.	0.	-352.	0.	0.	0.	-.0327	.0201	.0206	.0645	.0240	-.0340	0.
.1800	-456.	0.	-841.	0.	0.	0.	-.0310	.0286	.0236	.0691	.0075	-.0311	0.
.1810	-718.	0.	-1322.	0.	0.	0.	-.0285	.0363	.0262	.0701	-.0125	-.0312	0.
.1820	-987.	0.	-1817.	0.	0.	0.	-.0262	.0427	.0289	.0714	-.0271	-.0286	0.
.1830	-1229.	0.	-2263.	0.	0.	0.	-.0244	.0477	.0315	.0719	-.0380	-.0240	0.
.1840	-1386.	0.	-2553.	0.	0.	0.	-.0231	.0507	.0332	.0704	-.0472	-.0182	0.
.1850	-1405.	0.	-2587.	0.	0.	0.	-.0229	.0516	.0333	.0677	-.0546	-.0116	0.
.1860	-1249.	0.	-2301.	0.	0.	0.	-.0237	.0507	.0315	.0650	-.0608	-.0055	0.
.1870	-921.	0.	-1697.	0.	0.	0.	-.0263	.0480	.0280	.0655	-.0621	.0015	0.
.1880	-442.	0.	-815.	0.	0.	0.	-.0298	.0437	.0228	.0669	-.0627	.0052	0.
.1890	117.	0.	215.	0.	0.	0.	-.0339	.0379	.0167	.0693	-.0613	.0058	0.
.1900	667.	0.	1228.	0.	0.	0.	-.0382	.0309	.0108	.0728	-.0559	.0049	0.
.1910	1137.	0.	2094.	0.	0.	0.	-.0418	.0232	.0058	.0755	-.0499	.0021	0.
.1920	1478.	0.	2721.	0.	0.	0.	-.0452	.0148	.0025	.0786	-.0413	.0016	0.
.1930	1682.	0.	3098.	0.	0.	0.	-.0485	.0061	.0012	.0819	-.0308	.0033	0.
.1940	1779.	0.	3277.	0.	0.	0.	-.0515	-.0022	.0014	.0841	-.0199	.0044	0.
.1950	1810.	0.	3334.	0.	0.	0.	-.0545	-.0096	.0026	.0854	-.0085	.0028	0.
.1960	1814.	0.	3340.	0.	0.	0.	-.0577	-.0160	.0043	.0867	.0037	-.0021	0.
.1970	1809.	0.	3332.	0.	0.	0.	-.0609	-.0211	.0061	.0881	.0164	-.0097	0.
.1980	1789.	0.	3294.	0.	0.	0.	-.0634	-.0246	.0078	.0902	.0306	-.0183	0.
.1990	1727.	0.	3180.	0.	0.	0.	-.0648	-.0265	.0095	.0929	.0464	-.0256	0.
.2000	1597.	0.	2941.	0.	0.	0.	-.0645	-.0269	.0113	.0955	.0626	-.0310	0.
.2010	1380.	0.	2542.	0.	0.	0.	-.0621	-.0258	.0132	.0972	.0781	-.0352	0.
.2020	1074.	0.	1978.	0.	0.	0.	-.0577	-.0231	.0153	.0978	.0931	-.0385	0.
.2030	700.	0.	1289.	0.	0.	0.	-.0517	-.0190	.0176	.0970	.1073	-.0417	0.
.2040	298.	0.	550.	0.	0.	0.	-.0444	-.0138	.0197	.0935	.1182	-.0461	0.
.2050	-95.	0.	-174.	0.	0.	0.	-.0364	-.0077	.0212	.0879	.1243	-.0514	0.
.2060	-460.	0.	-847.	0.	0.	0.	-.0283	-.0012	.0222	.0819	.1257	-.0558	0.
.2070	-790.	0.	-1455.	0.	0.	0.	-.0205	.0054	.0229	.0769	.1232	-.0583	0.
.2080	-1085.	0.	-1998.	0.	0.	0.	-.0133	.0118	.0234	.0722	.1176	-.0596	0.
.2090	-1352.	0.	-2491.	0.	0.	0.	-.0069	.0178	.0239	.0677	.1113	-.0602	0.
.2100	-1603.	0.	-2952.	0.	0.	0.	-.0017	.0232	.0248	.0641	.1072	-.0597	0.
.2110	-1832.	0.	-3374.	0.	0.	0.	.0020	.0279	.0262	.0617	.1055	-.0581	0.
.2120	-2019.	0.	-3718.	0.	0.	0.	.0040	.0317	.0279	.0602	.1048	-.0554	0.
.2130	-2140.	0.	-3940.	0.	0.	0.	.0041	.0344	.0297	.0595	.1037	-.0512	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.2030	700.	0.	1289.	0.	0.	0.	-.0517	-.0190	.0176	.0970	.1073	-.0417	0.
.2040	298.	0.	550.	0.	0.	0.	-.0444	-.0138	.0197	.0935	.1182	-.0461	0.
.2050	-95.	0.	-174.	0.	0.	0.	-.0364	-.0077	.0212	.0879	.1243	-.0514	0.
.2060	-460.	0.	-847.	0.	0.	0.	-.0283	-.0012	.0222	.0819	.1257	-.0558	0.
.2070	-790.	0.	-1455.	0.	0.	0.	-.0205	.0054	.0229	.0769	.1232	-.0583	0.
.2080	-1085.	0.	-1998.	0.	0.	0.	-.0133	.0112	.0234	.0722	.1176	-.0596	0.
.2090	-1352.	0.	-2491.	0.	0.	0.	-.0069	.0176	.0239	.0677	.1113	-.0602	0.
.2100	-1603.	0.	-2952.	0.	0.	0.	-.0017	.0232	.0248	.0641	.1072	-.0597	0.
.2110	-1832.	0.	-3374.	0.	0.	0.	.0020	.0279	.0262	.0617	.1055	-.0581	0.
.2120	-2019.	0.	-3718.	0.	0.	0.	.0040	.0317	.0279	.0602	.1048	-.0554	0.
.2130	-2140.	0.	-3940.	0.	0.	0.	.0041	.0344	.0297	.0595	.1037	-.0512	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION DIS TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2140	-2173.	0.	-4002.	0.	0.	0.	.0023	.0359	.0311	.0595	.1017	-.0449	0.
.2150	-2110.	0.	-3885.	0.	0.	0.	-.0011	.0362	.0321	.0596	.0978	-.0370	0.
.2160	-1957.	0.	-3605.	0.	0.	0.	-.0059	.0354	.0324	.0596	.0920	-.0285	0.
.2170	-1742.	0.	-3208.	0.	0.	0.	-.0112	.0335	.0321	.0594	.0848	-.0206	0.
.2180	-1498.	0.	-2758.	0.	0.	0.	-.0163	.0309	.0312	.0586	.0767	-.0145	0.
.2190	-1254.	0.	-2310.	0.	0.	0.	-.0203	.0278	.0297	.0564	.0683	-.0105	0.
.2200	-1029.	0.	-1895.	0.	0.	0.	-.0228	.0242	.0277	.0531	.0598	-.0074	0.
.2210	-825.	0.	-1520.	0.	0.	0.	-.0236	.0202	.0251	.0489	.0512	-.0043	0.
.2220	-630.	0.	-1160.	0.	0.	0.	-.0227	.0160	.0217	.0439	.0415	-.0016	0.
.2230	-422.	0.	-778.	0.	0.	0.	-.0202	.0120	.0173	.0376	.0302	-.0002	0.
.2240	-184.	0.	-338.	0.	0.	0.	-.0166	.0081	.0118	.0295	.0169	-.0012	0.
.2250	92.	0.	170.	0.	0.	0.	-.0123	.0047	.0053	.0191	.0018	-.0049	0.
.2260	395.	0.	728.	0.	0.	0.	-.0075	.0020	-.0018	.0068	-.0141	-.0103	0.
.2270	705.	0.	1298.	0.	0.	0.	-.0025	.0001	-.0091	-.0070	-.0299	-.0159	0.
.2280	999.	0.	1839.	0.	0.	0.	.0024	-.0011	-.0162	-.0218	-.0451	-.0206	0.
.2290	1257.	0.	2316.	0.	0.	0.	.0070	-.0016	-.0225	-.0368	-.0593	-.0234	0.
.2300	1468.	0.	2704.	0.	0.	0.	.0109	-.0013	-.0278	-.0511	-.0712	-.0242	0.
.2310	1628.	0.	2999.	0.	0.	0.	.0137	-.0002	-.0317	-.0642	-.0800	-.0234	0.
.2320	1740.	0.	3204.	0.	0.	0.	.0152	.0015	-.0342	-.0764	-.0860	-.0221	0.
.2330	1800.	0.	3315.	0.	0.	0.	.0152	.0039	-.0351	-.0873	-.0897	-.0207	0.
.2340	1798.	0.	3312.	0.	0.	0.	.0136	.0067	-.0342	-.0968	-.0915	-.0187	0.
.2350	1719.	0.	3166.	0.	0.	0.	.0108	.0098	-.0315	-.1050	-.0923	-.0156	0.
.2360	1546.	0.	2848.	0.	0.	0.	.0072	.0131	-.0270	-.1123	-.0927	-.0113	0.
.2370	1266.	0.	2332.	0.	0.	0.	.0034	.0165	-.0207	-.1184	-.0921	-.0057	0.
.2380	879.	0.	1618.	0.	0.	0.	-.0003	.0198	-.0130	-.1229	-.0895	.0008	0.
.2390	404.	0.	744.	0.	0.	0.	-.0032	.0229	-.0043	-.1259	-.0849	.0073	0.
.2400	-120.	0.	-221.	0.	0.	0.	-.0053	.0256	.0047	-.1272	-.0783	.0132	0.
.2410	-645.	0.	-1188.	0.	0.	0.	-.0065	.0279	.0131	-.1266	-.0699	.0182	0.
.2420	-1122.	0.	-2067.	0.	0.	0.	-.0063	.0296	.0204	-.1240	-.0601	.0227	0.
.2430	-1511.	0.	-2783.	0.	0.	0.	-.0064	.0308	.0260	-.1196	-.0494	.0269	0.
.2440	-1791.	0.	-3299.	0.	0.	0.	-.0055	.0314	.0297	-.1136	-.0380	.0309	0.
.2450	-1960.	0.	-3609.	0.	0.	0.	-.0042	.0313	.0315	-.1066	-.0263	.0342	0.
.2460	-2027.	0.	-3732.	0.	0.	0.	-.0024	.0304	.0315	-.0996	-.0149	.0359	0.
.2470	-2003.	0.	-3688.	0.	0.	0.	-.0001	.0290	.0299	-.0937	-.0041	.0363	0.
.2480	-1903.	0.	-3504.	0.	0.	0.	.0025	.0268	.0270	-.0887	.0061	.0366	0.
.2490	-1740.	0.	-3204.	0.	0.	0.	.0054	.0241	.0230	-.0841	.0156	.0373	0.
.2500	-1520.	0.	-2800.	0.	0.	0.	.0084	.0209	.0181	-.0801	.0236	.0375	0.
.2510	-1248.	0.	-2298.	0.	0.	0.	.0118	.0174	.0122	-.0768	.0292	.0364	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.2400	-165.	0.	-221.	0.	0.	0.	-.0053	.0256	.0047	-.1272	-.0783	.0132	0.
.2410	-645.	0.	-1186.	0.	0.	0.	-.0065	.0279	.0131	-.1266	-.0599	.0182	0.
.2420	-1122.	0.	-2067.	0.	0.	0.	-.0068	.0296	.0204	-.1240	-.0601	.0227	0.
.2430	-1511.	0.	-2783.	0.	0.	0.	-.0064	.0308	.0260	-.1196	-.0494	.0269	0.
.2440	-1791.	0.	-3299.	0.	0.	0.	-.0055	.0314	.0297	-.1136	-.0380	.0309	0.
.2450	-1960.	0.	-3609.	0.	0.	0.	-.0042	.0313	.0315	-.1066	-.0263	.0342	0.
.2460	-2027.	0.	-3737.	0.	0.	0.	-.0024	.0304	.0315	-.0996	-.0149	.0359	0.
.2470	-2003.	0.	-3688.	0.	0.	0.	-.0001	.0290	.0299	-.0937	-.0041	.0363	0.
.2480	-1907.	0.	-3504.	0.	0.	0.	.0025	.0268	.0270	-.0887	.0061	.0366	0.
.2490	-1740.	0.	-3204.	0.	0.	0.	.0054	.0241	.0230	-.0841	.0156	.0373	0.
.2500	-1520.	0.	-2800.	0.	0.	0.	.0084	.0209	.0181	-.0801	.0236	.0375	0.
.2510	-1248.	0.	-2298.	0.	0.	0.	.0113	.0174	.0122	-.0768	.0292	.0364	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
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INTERNAL FORCES IN THE PIPING
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SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION DIS TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2520	-930.	0.	-1713.	0.	0.	0.	.0153	.0136	.0055	-.0740	.0325	.0342	0.
.2530	-582.	0.	-1071.	0.	0.	0.	.0189	.0098	-.0016	-.0711	.0332	.0314	0.
.2540	-224.	0.	-412.	0.	0.	0.	.0225	.0061	-.0089	-.0685	.0318	.0286	0.
.2550	119.	0.	220.	0.	0.	0.	.0260	.0026	-.0159	-.0666	.0285	.0258	0.
.2560	424.	0.	782.	0.	0.	0.	.0297	-.0006	-.0224	-.0661	.0239	.0228	0.
.2570	675.	0.	1243.	0.	0.	0.	.0333	-.0034	-.0281	-.0671	.0181	.0195	0.
.2580	862.	0.	1587.	0.	0.	0.	.0369	-.0059	-.0329	-.0691	.0118	.0161	0.
.2590	987.	0.	1818.	0.	0.	0.	.0402	-.0080	-.0366	-.0716	.0052	.0129	0.
.2600	1064.	0.	1959.	0.	0.	0.	.0434	-.0101	-.0394	-.0744	-.0018	.0100	0.
.2610	1108.	0.	2040.	0.	0.	0.	.0462	-.0121	-.0416	-.0778	-.0094	.0073	0.
.2620	1131.	0.	2083.	0.	0.	0.	.0487	-.0141	-.0433	-.0814	-.0174	.0050	0.
.2630	1142.	0.	2103.	0.	0.	0.	.0508	-.0160	-.0446	-.0847	-.0256	.0035	0.
.2640	1147.	0.	2112.	0.	0.	0.	.0526	-.0179	-.0456	-.0879	-.0341	.0028	0.
.2650	1149.	0.	2116.	0.	0.	0.	.0541	-.0198	-.0465	-.0911	-.0428	.0031	0.
.2660	1147.	0.	2113.	0.	0.	0.	.0555	-.0217	-.0472	-.0942	-.0514	.0041	0.
.2670	1140.	0.	2099.	0.	0.	0.	.0567	-.0236	-.0478	-.0970	-.0598	.0059	0.
.2680	1125.	0.	2073.	0.	0.	0.	.0578	-.0253	-.0481	-.0990	-.0680	.0085	0.
.2690	1107.	0.	2039.	0.	0.	0.	.0587	-.0270	-.0484	-.1002	-.0759	.0118	0.
.2700	1091.	0.	2009.	0.	0.	0.	.0593	-.0286	-.0484	-.1008	-.0837	.0157	0.
.2710	1083.	0.	1994.	0.	0.	0.	.0595	-.0298	-.0484	-.1010	-.0910	.0200	0.
.2720	1084.	0.	1996.	0.	0.	0.	.0592	-.0304	-.0483	-.1005	-.0970	.0244	0.
.2730	1096.	0.	2018.	0.	0.	0.	.0582	-.0305	-.0480	-.0991	-.1016	.0289	0.
.2740	1121.	0.	2064.	0.	0.	0.	.0566	-.0306	-.0475	-.0971	-.1052	.0332	0.
.2750	1154.	0.	2125.	0.	0.	0.	.0545	-.0308	-.0468	-.0942	-.1077	.0372	0.
.2760	1187.	0.	2186.	0.	0.	0.	.0516	-.0308	-.0457	-.0897	-.1085	.0412	0.
.2770	1215.	0.	2237.	0.	0.	0.	.0482	-.0306	-.0443	-.0838	-.1079	.0453	0.
.2780	1237.	0.	2277.	0.	0.	0.	.0442	-.0304	-.0424	-.0767	-.1062	.0496	0.
.2790	1257.	0.	2314.	0.	0.	0.	.0396	-.0303	-.0402	-.0692	-.1036	.0541	0.
.2800	1280.	0.	2357.	0.	0.	0.	.0344	-.0300	-.0378	-.0615	-.1003	.0583	0.
.2810	1315.	0.	2422.	0.	0.	0.	.0287	-.0295	-.0352	-.0537	-.0961	.0616	0.
.2820	1371.	0.	2525.	0.	0.	0.	.0228	-.0287	-.0328	-.0457	-.0914	.0639	0.
.2830	1455.	0.	2679.	0.	0.	0.	.0167	-.0281	-.0307	-.0377	-.0860	.0654	0.
.2840	1563.	0.	2879.	0.	0.	0.	.0108	-.0276	-.0292	-.0293	-.0800	.0656	0.
.2850	1685.	0.	3103.	0.	0.	0.	.0057	-.0269	-.0282	-.0203	-.0734	.0644	0.
.2860	1804.	0.	3321.	0.	0.	0.	.0016	-.0259	-.0278	-.0109	-.0665	.0616	0.
.2870	1904.	0.	3506.	0.	0.	0.	-.0010	-.0247	-.0278	-.0015	-.0595	.0577	0.
.2880	1972.	0.	3631.	0.	0.	0.	-.0019	-.0234	-.0284	.0072	-.0529	.0524	0.
.2890	1999.	0.	3682.	0.	0.	0.	-.0009	-.0217	-.0293	.0147	-.0473	.0458	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

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FORCES AND MOMENTS ACT ON THE PIPING

.2780	1237.	0.	2277.	0.	0.	0.	.0442	-.0304	-.0424	-.0767	-.1062	.0496	0.
.2790	1257.	0.	2314.	0.	0.	0.	.0396	-.0303	-.0402	-.0692	-.1036	.0541	0.
.2800	1280.	0.	2357.	0.	0.	0.	.0344	-.0300	-.0378	-.0615	-.1003	.0583	0.
.2810	1315.	0.	2422.	0.	0.	0.	.0287	-.0295	-.0352	-.0537	-.0961	.0616	0.
.2820	1771.	0.	2525.	0.	0.	0.	.0228	-.0287	-.0328	-.0457	-.0914	.0639	0.
.2830	1455.	0.	2679.	0.	0.	0.	.0167	-.0281	-.0307	-.0377	-.0860	.0654	0.
.2840	1563.	0.	2879.	0.	0.	0.	.0103	-.0276	-.0292	-.0293	-.0800	.0656	0.
.2850	1685.	0.	3103.	0.	0.	0.	.0057	-.0269	-.0282	-.0203	-.0734	.0644	0.
.2860	1804.	0.	3321.	0.	0.	0.	.0016	-.0259	-.0278	-.0109	-.0665	.0616	0.
.2870	1904.	0.	3506.	0.	0.	0.	-.0010	-.0247	-.0278	-.0015	-.0595	.0577	0.
.2880	1972.	0.	3631.	0.	0.	0.	-.0019	-.0234	-.0284	.0072	-.0529	.0524	0.
.2890	1990.	0.	3682.	0.	0.	0.	-.0009	-.0217	-.0293	.0147	-.0473	.0458	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION DIS TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2900	1986.	0.	3657.	0.	0.	0.	.0018	-.0197	-.0305	.0210	-.0431	.0379	0.
.2910	1936.	0.	3565.	0.	0.	0.	.0060	-.0173	-.0321	.0261	-.0407	.0292	0.
.2920	1857.	0.	3421.	0.	0.	0.	.0115	-.0149	-.0339	.0303	-.0401	.0199	0.
.2930	1754.	0.	3229.	0.	0.	0.	.0179	-.0123	-.0359	.0339	-.0409	.0102	0.
.2940	1627.	0.	2996.	0.	0.	0.	.0248	-.0098	-.0377	.0372	-.0424	.0007	0.
.2950	1477.	0.	2719.	0.	0.	0.	.0316	-.0073	-.0392	.0405	-.0435	-.0080	0.
.2960	1302.	0.	2398.	0.	0.	0.	.0380	-.0047	-.0400	.0437	-.0434	-.0154	0.
.2970	1105.	0.	2035.	0.	0.	0.	.0435	-.0023	-.0401	.0472	-.0414	-.0211	0.
.2980	892.	0.	1642.	0.	0.	0.	.0477	-.0001	-.0392	.0506	-.0375	-.0249	0.
.2990	674.	0.	1242.	0.	0.	0.	.0504	.0016	-.0374	.0539	-.0320	-.0268	0.
.3000	461.	0.	849.	0.	0.	0.	.0513	.0027	-.0347	.0576	-.0251	-.0268	0.
.3010	258.	0.	475.	0.	0.	0.	.0504	.0034	-.0312	.0619	-.0172	-.0251	0.
.3020	66.	0.	121.	0.	0.	0.	.0480	.0035	-.0270	.0667	-.0091	-.0219	0.
.3030	-120.	0.	-221.	0.	0.	0.	.0442	.0029	-.0222	.0720	-.0011	-.0174	0.
.3040	-309.	0.	-569.	0.	0.	0.	.0394	.0016	-.0168	.0775	.0069	-.0117	0.
.3050	-510.	0.	-940.	0.	0.	0.	.0341	-.0001	-.0109	.0830	.0150	-.0049	0.
.3060	-726.	0.	-1336.	0.	0.	0.	.0285	-.0022	-.0047	.0881	.0232	.0026	0.
.3070	-946.	0.	-1742.	0.	0.	0.	.0230	-.0048	.0016	.0925	.0311	.0103	0.
.3080	-1157.	0.	-2132.	0.	0.	0.	.0177	-.0079	.0076	.0958	.0384	.0178	0.
.3090	-1342.	0.	-2471.	0.	0.	0.	.0128	-.0112	.0131	.0982	.0448	.0244	0.
.3100	-1484.	0.	-2732.	0.	0.	0.	.0081	-.0146	.0177	.0997	.0498	.0299	0.
.3110	-1572.	0.	-2895.	0.	0.	0.	.0039	-.0178	.0213	.1001	.0532	.0339	0.
.3120	-1607.	0.	-2960.	0.	0.	0.	.0000	-.0208	.0239	.0994	.0548	.0368	0.
.3130	-1597.	0.	-2942.	0.	0.	0.	-.0033	-.0235	.0256	.0976	.0548	.0385	0.
.3140	-1554.	0.	-2861.	0.	0.	0.	-.0062	-.0256	.0265	.0947	.0535	.0394	0.
.3150	-1485.	0.	-2734.	0.	0.	0.	-.0087	-.0271	.0269	.0905	.0511	.0395	0.
.3160	-1396.	0.	-2570.	0.	0.	0.	-.0109	-.0280	.0267	.0855	.0479	.0389	0.
.3170	-1288.	0.	-2371.	0.	0.	0.	-.0128	-.0283	.0262	.0801	.0440	.0375	0.
.3180	-1158.	0.	-2132.	0.	0.	0.	-.0148	-.0279	.0253	.0748	.0394	.0354	0.
.3190	-1005.	0.	-1850.	0.	0.	0.	-.0168	-.0269	.0241	.0700	.0340	.0325	0.
.3200	-833.	0.	-1534.	0.	0.	0.	-.0191	-.0253	.0228	.0659	.0279	.0287	0.
.3210	-655.	0.	-1207.	0.	0.	0.	-.0216	-.0231	.0215	.0627	.0217	.0241	0.
.3220	-487.	0.	-897.	0.	0.	0.	-.0242	-.0205	.0204	.0602	.0155	.0190	0.
.3230	-344.	0.	-633.	0.	0.	0.	-.0267	-.0177	.0196	.0581	.0098	.0134	0.
.3240	-238.	0.	-438.	0.	0.	0.	-.0291	-.0151	.0193	.0563	.0050	.0075	0.
.3250	-175.	0.	-323.	0.	0.	0.	-.0310	-.0125	.0195	.0549	.0015	.0015	0.
.3260	-152.	0.	-280.	0.	0.	0.	-.0325	-.0103	.0199	.0539	-.0009	-.0047	0.
.3270	-157.	0.	-290.	0.	0.	0.	-.0333	-.0087	.0204	.0534	-.0026	-.0108	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.3170	-1288.	0.	-2571.	0.	0.	0.	-.0128	-.0283	.0262	.0801	.0440	.0375	0.
.3180	-1158.	0.	-2132.	0.	0.	0.	-.0148	-.0279	.0253	.0748	.0394	.0354	0.
.3190	-1005.	0.	-1850.	0.	0.	0.	-.0168	-.0269	.0241	.0700	.0340	.0325	0.
.3200	-833.	0.	-1534.	0.	0.	0.	-.0191	-.0252	.0228	.0659	.0279	.0287	0.
.3210	-655.	0.	-1207.	0.	0.	0.	-.0216	-.0231	.0215	.0627	.0217	.0241	0.
.3220	-487.	0.	-897.	0.	0.	0.	-.0242	-.0205	.0204	.0602	.0155	.0190	0.
.3230	-344.	0.	-633.	0.	0.	0.	-.0267	-.0177	.0196	.0581	.0098	.0134	0.
.3240	-238.	0.	-438.	0.	0.	0.	-.0291	-.0151	.0193	.0563	.0050	.0075	0.
.3250	-175.	0.	-323.	0.	0.	0.	-.0310	-.0125	.0195	.0549	.0015	.0015	0.
.3260	-152.	0.	-280.	0.	0.	0.	-.0325	-.0103	.0199	.0539	-.0009	-.0047	0.
.3270	-157.	0.	-290.	0.	0.	0.	-.0333	-.0087	.0204	.0534	-.0026	-.0108	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION DIS TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.3280	-182.	0.	-335.	0.	0.	0.	-.0334	-.0078	.0209	.0537	-.0037	-.0168	0.
.3290	-219.	0.	-403.	0.	0.	0.	-.0328	-.0076	.0211	.0546	-.0043	-.0224	0.
.3300	-265.	0.	-488.	0.	0.	0.	-.0315	-.0082	.0211	.0559	-.0044	-.0279	0.
.3310	-321.	0.	-592.	0.	0.	0.	-.0295	-.0096	.0208	.0572	-.0042	-.0330	0.
.3320	-392.	0.	-723.	0.	0.	0.	-.0267	-.0119	.0204	.0581	-.0035	-.0373	0.
.3330	-480.	0.	-884.	0.	0.	0.	-.0234	-.0150	.0199	.0585	-.0020	-.0408	0.
.3340	-583.	0.	-1074.	0.	0.	0.	-.0197	-.0189	.0194	.0582	.0002	-.0433	0.
.3350	-692.	0.	-1275.	0.	0.	0.	-.0157	-.0233	.0188	.0572	.0031	-.0448	0.
.3360	-797.	0.	-1468.	0.	0.	0.	-.0117	-.0281	.0182	.0558	.0066	-.0453	0.
.3370	-887.	0.	-1633.	0.	0.	0.	-.0079	-.0331	.0175	.0542	.0105	-.0449	0.
.3380	-953.	0.	-1756.	0.	0.	0.	-.0044	-.0380	.0166	.0525	.0147	-.0437	0.
.3390	-996.	0.	-1834.	0.	0.	0.	-.0014	-.0426	.0156	.0509	.0193	-.0418	0.
.3400	-1017.	0.	-1874.	0.	0.	0.	.0011	-.0469	.0146	.0491	.0243	-.0394	0.
.3410	-1026.	0.	-1890.	0.	0.	0.	.0030	-.0507	.0137	.0471	.0297	-.0366	0.
.3420	-1031.	0.	-1898.	0.	0.	0.	.0044	-.0538	.0130	.0449	.0356	-.0334	0.
.3430	-1037.	0.	-1910.	0.	0.	0.	.0053	-.0562	.0126	.0423	.0417	-.0300	0.
.3440	-1047.	0.	-1929.	0.	0.	0.	.0056	-.0578	.0126	.0394	.0479	-.0267	0.
.3450	-1060.	0.	-1953.	0.	0.	0.	.0056	-.0585	.0128	.0361	.0540	-.0239	0.
.3460	-1074.	0.	-1978.	0.	0.	0.	.0051	-.0584	.0132	.0327	.0598	-.0217	0.
.3470	-1085.	0.	-1998.	0.	0.	0.	.0044	-.0575	.0138	.0291	.0649	-.0204	0.
.3480	-1092.	0.	-2012.	0.	0.	0.	.0035	-.0560	.0144	.0253	.0693	-.0200	0.
.3490	-1097.	0.	-2021.	0.	0.	0.	.0027	-.0540	.0149	.0213	.0728	-.0207	0.
.3500	-1101.	0.	-2028.	0.	0.	0.	.0021	-.0517	.0153	.0172	.0754	-.0224	0.
.3510	-1104.	0.	-2033.	0.	0.	0.	.0020	-.0490	.0154	.0128	.0771	-.0251	0.
.3520	-1104.	0.	-2034.	0.	0.	0.	.0024	-.0462	.0152	.0086	.0779	-.0285	0.
.3530	-1098.	0.	-2021.	0.	0.	0.	.0034	-.0434	.0145	.0045	.0775	-.0325	0.
.3540	-1078.	0.	-1985.	0.	0.	0.	.0049	-.0406	.0134	.0008	.0760	-.0369	0.
.3550	-1038.	0.	-1912.	0.	0.	0.	.0069	-.0379	.0118	-.0024	.0734	-.0418	0.
.3560	-975.	0.	-1795.	0.	0.	0.	.0091	-.0354	.0096	-.0052	.0696	-.0467	0.
.3570	-886.	0.	-1632.	0.	0.	0.	.0114	-.0331	.0070	-.0073	.0649	-.0516	0.
.3580	-774.	0.	-1425.	0.	0.	0.	.0137	-.0311	.0041	-.0088	.0596	-.0562	0.
.3590	-642.	0.	-1182.	0.	0.	0.	.0156	-.0294	.0011	-.0099	.0539	-.0604	0.
.3600	-497.	0.	-915.	0.	0.	0.	.0170	-.0278	-.0018	-.0103	.0479	-.0639	0.
.3610	-345.	0.	-635.	0.	0.	0.	.0178	-.0263	-.0045	-.0101	.0418	-.0665	0.
.3620	-192.	0.	-353.	0.	0.	0.	.0178	-.0249	-.0068	-.0093	.0356	-.0680	0.
.3630	-42.	0.	-78.	0.	0.	0.	.0169	-.0234	-.0086	-.0079	.0292	-.0683	0.
.3640	101.	0.	186.	0.	0.	0.	.0151	-.0219	-.0097	-.0061	.0224	-.0674	0.
.3650	236.	0.	435.	0.	0.	0.	.0123	-.0202	-.0102	-.0043	.0153	-.0653	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

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FORCES AND MOMENTS ACT ON THE PIPING

.3540	-1037.	0.	-1912.	0.	0.	0.	.0069	-.0379	.0118	-.0024	.0734	-.0418	0.
.3550	-975.	0.	-1795.	0.	0.	0.	.0091	-.0354	.0096	-.0052	.0696	-.0467	0.
.3560	-886.	0.	-1632.	0.	0.	0.	.0114	-.0331	.0070	-.0073	.0649	-.0516	0.
.3570	-774.	0.	-1425.	0.	0.	0.	.0137	-.0311	.0041	-.0088	.0596	-.0562	0.
.3580	-642.	0.	-1182.	0.	0.	0.	.0156	-.0294	.0011	-.0099	.0539	-.0604	0.
.3590	-497.	0.	-915.	0.	0.	0.	.0170	-.0278	-.0018	-.0103	.0479	-.0639	0.
.3600	-345.	0.	-635.	0.	0.	0.	.0178	-.0263	-.0045	-.0101	.0418	-.0665	0.
.3610	-192.	0.	-353.	0.	0.	0.	.0178	-.0249	-.0068	-.0093	.0356	-.0680	0.
.3620	-42.	0.	-78.	0.	0.	0.	.0169	-.0234	-.0086	-.0079	.0292	-.0683	0.
.3630	101.	0.	186.	0.	0.	0.	.0151	-.0219	-.0097	-.0061	.0224	-.0674	0.
.3640	236.	0.	435.	0.	0.	0.	.0123	-.0202	-.0102	-.0043	.0153	-.0653	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION DIS TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.3660	363.	0.	668.	0.	0.	0.	.0086	-.0183	-.0101	-.0026	.0080	-.0620	0.
.3670	481.	0.	886.	0.	0.	0.	.0040	-.0162	-.0094	-.0013	.0005	-.0577	0.
.3680	593.	0.	1092.	0.	0.	0.	-.0011	-.0138	-.0082	-.0005	-.0068	-.0524	0.
.3690	700.	0.	1290.	0.	0.	0.	-.0066	-.0112	-.0068	-.0004	-.0139	-.0463	0.
.3700	806.	0.	1484.	0.	0.	0.	-.0122	-.0084	-.0054	-.0009	-.0203	-.0398	0.
.3710	912.	0.	1679.	0.	0.	0.	-.0176	-.0054	-.0040	-.0018	-.0259	-.0331	0.
.3720	1018.	0.	1875.	0.	0.	0.	-.0225	-.0023	-.0030	-.0032	-.0307	-.0265	0.
.3730	1123.	0.	2069.	0.	0.	0.	-.0266	.0006	-.0023	-.0050	-.0349	-.0203	0.
.3740	1225.	0.	2256.	0.	0.	0.	-.0296	.0033	-.0022	-.0073	-.0384	-.0148	0.
.3750	1318.	0.	2428.	0.	0.	0.	-.0314	.0057	-.0026	-.0103	-.0415	-.0103	0.
.3760	1397.	0.	2572.	0.	0.	0.	-.0318	.0076	-.0036	-.0139	-.0444	-.0068	0.
.3770	1454.	0.	2678.	0.	0.	0.	-.0308	.0089	-.0049	-.0181	-.0473	-.0044	0.
.3780	1486.	0.	2736.	0.	0.	0.	-.0285	.0096	-.0066	-.0227	-.0504	-.0030	0.
.3790	1488.	0.	2740.	0.	0.	0.	-.0250	.0094	-.0086	-.0275	-.0534	-.0024	0.
.3800	1459.	0.	2687.	0.	0.	0.	-.0206	.0084	-.0106	-.0324	-.0563	-.0027	0.
.3810	1401.	0.	2581.	0.	0.	0.	-.0154	.0067	-.0125	-.0370	-.0588	-.0036	0.
.3820	1317.	0.	2426.	0.	0.	0.	-.0099	.0044	-.0143	-.0412	-.0604	-.0049	0.
.3830	1210.	0.	2229.	0.	0.	0.	-.0044	.0015	-.0156	-.0447	-.0609	-.0064	0.
.3840	1086.	0.	2001.	0.	0.	0.	.0006	-.0018	-.0165	-.0477	-.0602	-.0077	0.
.3850	952.	0.	1753.	0.	0.	0.	.0049	-.0054	-.0168	-.0499	-.0581	-.0085	0.
.3860	811.	0.	1493.	0.	0.	0.	.0082	-.0091	-.0165	-.0513	-.0545	-.0088	0.
.3870	666.	0.	1227.	0.	0.	0.	.0103	-.0130	-.0155	-.0519	-.0492	-.0083	0.
.3880	522.	0.	962.	0.	0.	0.	.0111	-.0169	-.0138	-.0515	-.0427	-.0069	0.
.3890	381.	0.	702.	0.	0.	0.	.0108	-.0207	-.0115	-.0503	-.0349	-.0046	0.
.3900	246.	0.	452.	0.	0.	0.	.0093	-.0240	-.0087	-.0482	-.0260	-.0014	0.
.3910	117.	0.	215.	0.	0.	0.	.0069	-.0265	-.0055	-.0452	-.0163	.0027	0.
.3920	-1.	0.	-2.	0.	0.	0.	.0038	-.0280	-.0020	-.0413	-.0060	.0076	0.
.3930	-104.	0.	-192.	0.	0.	0.	.0001	-.0287	.0015	-.0367	.0042	.0132	0.
.3940	-188.	0.	-345.	0.	0.	0.	-.0039	-.0284	.0049	-.0316	.0142	.0192	0.
.3950	-247.	0.	-455.	0.	0.	0.	-.0080	-.0271	.0080	-.0262	.0237	.0252	0.
.3960	-281.	0.	-517.	0.	0.	0.	-.0120	-.0249	.0107	-.0207	.0324	.0309	0.
.3970	-288.	0.	-529.	0.	0.	0.	-.0158	-.0219	.0129	-.0152	.0401	.0360	0.
.3980	-269.	0.	-496.	0.	0.	0.	-.0192	-.0181	.0145	-.0100	.0467	.0406	0.
.3990	-230.	0.	-424.	0.	0.	0.	-.0222	-.0136	.0155	-.0050	.0518	.0446	0.
.4000	-175.	0.	-323.	0.	0.	0.	-.0245	-.0086	.0159	-.0006	.0556	.0480	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.3920	-1.	0.	-2.	0.	0.	0.	.0038	-.0280	-.0026	-.0413	-.0060	.0076	0.
.3930	-104.	0.	-192.	0.	0.	0.	.0001	-.0287	.0015	-.0367	.0042	.0132	0.
.3940	-188.	0.	-345.	0.	0.	0.	-.0039	-.0284	.0049	-.0316	.0142	.0192	0.
.3950	-247.	0.	-455.	0.	0.	0.	-.0080	-.0271	.0080	-.0262	.0237	.0252	0.
.3960	-281.	0.	-517.	0.	0.	0.	-.0120	-.0249	.0107	-.0207	.0324	.0309	0.
.3970	-268.	0.	-529.	0.	0.	0.	-.0158	-.0219	.0129	-.0152	.0401	.0360	0.
.3980	-269.	0.	-496.	0.	0.	0.	-.0192	-.0181	.0145	-.0100	.0467	.0406	0.
.3990	-230.	0.	-424.	0.	0.	0.	-.0222	-.0136	.0155	-.0050	.0518	.0446	0.
.4000	-175.	0.	-323.	0.	0.	0.	-.0245	-.0086	.0159	-.0006	.0556	.0480	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

MAXIMUM VALUE OF DISCONTINUITY FORCE OCCURS AT

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	FORCE (LB)
.1050	5168.	0.	9517.	0.	0.	0.	-.0129	.0538	-.0700	-.0787	.0104	.0028	10830.

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
0.0000	0.	0.	0.	0.	0.	0.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.
.0010	-0.	-0.	-0.	0.	0.	-0.	.0000	-.0000	-.0000	-.0000	-.0000	-.0000	0.
.0020	-1.	-1.	-0.	3.	-0.	-3.	-.0000	-.0000	-.0000	-.0000	-.0000	.0000	2.
.0030	0.	1.	3.	10.	-1.	-13.	-.0000	-.0000	-.0000	-.0001	-.0001	.0001	7.
.0040	8.	12.	15.	26.	-4.	-40.	-.0001	-.0000	-.0001	-.0003	-.0001	.0003	19.
.0050	28.	37.	34.	54.	-11.	-92.	-.0002	-.0000	-.0002	-.0006	-.0001	.0008	43.
.0060	64.	73.	50.	99.	-21.	-169.	-.0005	-.0001	-.0004	-.0011	-.0002	.0016	79.
.0070	102.	110.	60.	169.	-33.	-263.	-.0009	-.0001	-.0007	-.0018	-.0003	.0026	126.
.0080	126.	140.	63.	262.	-46.	-384.	-.0015	-.0002	-.0012	-.0027	-.0006	.0038	188.
.0090	164.	176.	49.	366.	-65.	-556.	-.0024	-.0003	-.0019	-.0038	-.0007	.0056	269.
.0100	257.	244.	-0.	465.	-100.	-799.	-.0038	-.0004	-.0026	-.0047	-.0000	.0084	373.
.0110	405.	351.	-87.	565.	-156.	-1084.	-.0058	-.0006	-.0033	-.0054	.0021	.0121	495.
.0120	552.	469.	-199.	710.	-233.	-1321.	-.0082	-.0008	-.0039	-.0062	.0060	.0158	609.
.0130	612.	557.	-301.	952.	-323.	-1402.	-.0110	-.0010	-.0044	-.0077	.0117	.0183	692.
.0140	526.	600.	-345.	1312.	-411.	-1263.	-.0138	-.0013	-.0048	-.0103	.0189	.0188	749.
.0150	306.	617.	-326.	1740.	-482.	-913.	-.0162	-.0016	-.0053	-.0138	.0269	.0172	812.
.0160	26.	603.	-312.	2123.	-517.	-413.	-.0177	-.0019	-.0056	-.0172	.0347	.0138	892.
.0170	-269.	490.	-389.	2327.	-501.	162.	-.0178	-.0021	-.0058	-.0190	.0410	.0090	957.
.0180	-558.	223.	-602.	2233.	-440.	747.	-.0159	-.0022	-.0054	-.0180	.0454	.0030	961.
.0190	-810.	-150.	-893.	1796.	-363.	1297.	-.0120	-.0021	-.0040	-.0138	.0484	-.0040	901.
.0200	-1038.	-538.	-1080.	1045.	-308.	1727.	-.0060	-.0019	-.0012	-.0071	.0508	-.0117	819.
.0210	-1136.	-804.	-979.	79.	-326.	1923.	.0017	-.0015	.0033	.0007	.0548	-.0187	783.
.0220	-749.	-666.	-571.	-865.	-496.	1909.	.0097	-.0010	.0094	.0086	.0650	-.0219	864.
.0230	-156.	-145.	305.	-1486.	-776.	1873.	.0177	-.0006	.0160	.0129	.0783	-.0238	1009.
.0240	18.	349.	1634.	-1581.	-1009.	2154.	.0255	-.0005	.0215	.0108	.0872	-.0295	1146.
.0250	-456.	242.	2826.	-1468.	-1066.	2673.	.0330	-.0004	.0247	.0063	.0856	-.0400	1296.
.0260	-825.	-435.	2897.	-1864.	-982.	2921.	.0389	-.0001	.0264	.0094	.0774	-.0473	1445.
.0270	-297.	-890.	1621.	-2884.	-857.	2893.	.0420	.0008	.0276	.0233	.0732	-.0455	1675.
.0280	-154.	-1030.	554.	-3857.	-570.	3054.	.0443	.0021	.0272	.0343	.0659	-.0455	1988.
.0290	-1306.	-1436.	576.	-4469.	-35.	3335.	.0471	.0036	.0252	.0354	.0443	-.0541	2238.
.0300	-1292.	-1785.	13.	-5071.	453.	3098.	.0472	.0049	.0251	.0414	.0249	-.0523	2392.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.0180	-558.	223.	-602.	2233.	-440.	747.	-.0159	-.0022	-.0054	-.0180	.0454	.0030	961.
.0190	-210.	-150.	-823.	1796.	-363.	1297.	-.0120	-.0021	-.0040	-.0132	.0484	-.0040	901.
.0200	-1038.	-538.	-1080.	1045.	-308.	1727.	-.0060	-.0019	-.0012	-.0071	.0508	-.0117	819.
.0210	-1136.	-804.	-972.	79.	-326.	1923.	.0017	-.0015	.0033	.0007	.0548	-.0187	783.
.0220	-749.	-666.	-571.	-865.	-496.	1909.	.0097	-.0010	.0094	.0086	.0650	-.0219	864.
.0230	-156.	-145.	305.	-1486.	-776.	1872.	.0177	-.0006	.0160	.0129	.0783	-.0238	1009.
.0240	18.	349.	1634.	-1581.	-1009.	2154.	.0255	-.0005	.0215	.0108	.0972	-.0295	1146.
.0250	-455.	242.	2826.	-1468.	-1066.	2673.	.0330	-.0004	.0247	.0063	.0856	-.0400	1296.
.0260	-325.	-435.	2897.	-1864.	-982.	2921.	.0389	-.0001	.0264	.0094	.0774	-.0473	1445.
.0270	-297.	-890.	1621.	-2874.	-857.	2893.	.0420	.0008	.0276	.0233	.0732	-.0455	1675.
.0280	-154.	-1030.	554.	-3857.	-570.	3054.	.0443	.0021	.0272	.0343	.0659	-.0455	1988.
.0290	-1306.	-1436.	576.	-4469.	-35.	3335.	.0471	.0036	.0252	.0354	.0443	-.0541	2238.
.0300	-1292.	-1785.	13.	-5071.	453.	3098.	.0472	.0049	.0251	.0414	.0249	-.0523	2392.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0310	274.	-2086.	-1170.	-5545.	769.	2237.	.0439	.0060	.0278	.0526	.0143	-.0367	2419.
.0320	1321.	-2439.	-1122.	-5193.	889.	1223.	.0389	.0070	.0306	.0530	.0023	-.0228	2170.
.0330	1375.	-2261.	484.	-3797.	713.	565.	.0322	.0080	.0318	.0391	-.0100	-.0162	1567.
.0340	1474.	-1435.	2128.	-1946.	325.	245.	.0227	.0091	.0311	.0217	-.0169	-.0101	798.
.0350	1562.	-935.	2731.	-376.	36.	-60.	.0112	.0101	.0275	.0088	-.0268	-.0035	154.
.0360	1262.	-1229.	2076.	517.	-15.	-500.	-.0006	.0112	.0203	.0034	-.0463	.0021	289.
.0370	1129.	-1558.	207.	702.	94.	-904.	-.0125	.0123	.0111	.0070	-.0641	.0098	461.
.0380	1034.	-1391.	-2005.	498.	400.	-910.	-.0228	.0135	.0015	.0134	-.0714	.0162	446.
.0390	-101.	-1040.	-3037.	386.	1007.	-455.	-.0287	.0145	-.0079	.0114	-.0787	.0117	470.
.0400	-1485.	-660.	-2722.	578.	1726.	-388.	-.0308	.0148	-.0161	.0004	-.0940	.0043	747.
.0410	-643.	-49.	-2898.	826.	2168.	-1204.	-.0327	.0141	-.0203	-.0039	-.1009	.0141	1049.
.0420	1386.	235.	-3143.	1471.	2200.	-2537.	-.0346	.0127	-.0219	-.0063	-.0998	.0343	1471.
.0430	1755.	159.	-2323.	2204.	1873.	-3098.	-.0344	.0115	-.0222	-.0123	-.1022	.0393	1701.
.0440	845.	898.	-413.	3087.	1141.	-2782.	-.0333	.0103	-.0226	-.0234	-.1057	.0303	1729.
.0450	441.	2264.	851.	3679.	263.	-2170.	-.0336	.0085	-.0225	-.0293	-.1009	.0227	1717.
.0460	447.	2700.	743.	3735.	-338.	-1561.	-.0343	.0063	-.0217	-.0261	-.0933	.0184	1630.
.0470	-34.	1921.	330.	3602.	-504.	-979.	-.0337	.0039	-.0217	-.0221	-.0941	.0127	1511.
.0480	-401.	1244.	53.	3253.	-306.	-577.	-.0321	.0012	-.0215	-.0194	-.0957	.0097	1331.
.0490	62.	1278.	-657.	2142.	168.	-456.	-.0305	-.0014	-.0192	-.0111	-.0834	.0132	882.
.0500	557.	1468.	-1337.	522.	703.	-484.	-.0285	-.0036	-.0148	-.0002	-.0605	.0166	402.
.0510	357.	1578.	-1357.	-1008.	997.	-254.	-.0260	-.0053	-.0091	.0085	-.0366	.0130	578.
.0520	-107.	1772.	-996.	-2255.	912.	271.	-.0238	-.0071	-.0022	.0162	-.0126	.0060	982.
.0530	-290.	1847.	-641.	-3262.	469.	643.	-.0225	-.0090	.0058	.0248	.0124	.0010	1348.
.0540	-132.	1710.	-31.	-3938.	-300.	560.	-.0218	-.0105	.0141	.0317	.0358	-.0008	1601.
.0550	199.	1713.	1080.	-4275.	-1229.	222.	-.0210	-.0112	.0216	.0345	.0563	-.0013	1787.
.0560	430.	1826.	2209.	-4536.	-1982.	48.	-.0196	-.0114	.0280	.0353	.0747	-.0032	1986.
.0570	327.	1393.	2580.	-4965.	-2347.	372.	-.0168	-.0111	.0334	.0394	.0919	-.0086	2209.
.0580	-180.	128.	2088.	-5606.	-2303.	1307.	-.0123	-.0097	.0380	.0481	.1075	-.0189	2488.
.0590	-1014.	-1351.	1350.	-6476.	-1866.	2593.	-.0056	-.0074	.0416	.0577	.1205	-.0332	2898.
.0600	-1763.	-2225.	811.	-7599.	-1177.	3703.	.0029	-.0046	.0445	.0663	.1317	-.0469	3425.
.0610	-1881.	-2433.	570.	-8691.	-578.	4159.	.0121	-.0010	.0472	.0739	.1406	-.0533	3873.
.0620	-1285.	-2573.	585.	-9384.	-322.	3979.	.0209	.0011	.0497	.0808	.1453	-.0512	4092.
.0630	-531.	-2950.	938.	-9525.	-406.	3552.	.0235	.0044	.0515	.0848	.1432	-.0460	4083.
.0640	-47.	-3087.	1723.	-9079.	-799.	3252.	.0343	.0076	.0519	.0839	.1352	-.0431	3883.
.0650	131.	-2561.	2895.	-8035.	-1460.	3255.	.0376	.0106	.0503	.0772	.1254	-.0433	3528.
.0660	-87.	-1800.	4068.	-6727.	-2122.	3567.	.0385	.0137	.0463	.0676	.1160	-.0460	3172.
.0670	-645.	-1373.	4573.	-5739.	-2443.	3928.	.0374	.0167	.0401	.0606	.1060	-.0487	2958.
.0680	-929.	-1122.	3800.	-5476.	-2305.	4030.	.0347	.0190	.0326	.0618	.0963	-.0465	2881.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.0570	327.	1963.	1327.	-4965.	-2347.	372.	-.0168	-.0111	.0334	.0394	.0919	-.0086	2209.
.0580	-180.	128.	2088.	-5606.	-2303.	1307.	-.0123	-.0097	.0380	.0481	.1075	-.0189	2488.
.0590	-1014.	-1351.	1350.	-6476.	-1866.	2593.	-.0056	-.0074	.0416	.0577	.1205	-.0332	2898.
.0600	-1763.	-2225.	811.	-7599.	-1177.	3703.	.0029	-.0046	.0445	.0663	.1317	-.0469	3425.
.0610	-1881.	-2473.	570.	-8691.	-570.	4159.	.0121	-.0019	.0472	.0739	.1406	-.0533	3873.
.0620	-1285.	-2573.	585.	-9384.	-322.	3979.	.0209	.0011	.0497	.0808	.1453	-.0512	4092.
.0630	-531.	-2950.	938.	-9525.	-406.	3552.	.0235	.0044	.0515	.0848	.1432	-.0460	4083.
.0640	-47.	-3087.	1723.	-9079.	-799.	3252.	.0343	.0076	.0519	.0839	.1352	-.0431	3883.
.0650	131.	-2561.	2895.	-8035.	-1460.	3255.	.0376	.0106	.0503	.0772	.1254	-.0433	3528.
.0660	-87.	-1800.	4068.	-6727.	-2122.	3567.	.0385	.0137	.0463	.0676	.1160	-.0460	3172.
.0670	-645.	-1373.	4573.	-5739.	-2443.	3928.	.0374	.0167	.0401	.0606	.1060	-.0487	2958.
.0680	-929.	-1122.	3800.	-5476.	-2705.	4030.	.0347	.0190	.0326	.0618	.0963	-.0465	2881.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0690	-663.	-724.	1974.	-5820.	-1730.	3855.	.0307	.0202	.0248	.0702	.0890	-.0388	2886.
.0700	-516.	-327.	186.	-6268.	-792.	3581.	.0265	.0204	.0171	.0772	.0818	-.0319	2914.
.0710	-760.	62.	-888.	-6403.	196.	3239.	.0224	.0197	.0098	.0785	.0741	-.0284	2880.
.0720	-699.	770.	-1484.	-6053.	790.	2729.	.0173	.0177	.0043	.0773	.0688	-.0236	2683.
.0730	-215.	1596.	-1700.	-5082.	848.	2089.	.0109	.0148	.0005	.0742	.0641	-.0170	2231.
.0740	-73.	1931.	-1207.	-3404.	550.	1446.	.0046	.0114	-.0032	.0651	.0513	-.0145	1501.
.0750	-283.	1873.	-259.	-1290.	43.	768.	-.0011	.0075	-.0076	.0514	.0285	-.0159	603.
.0760	-114.	1954.	310.	656.	-536.	-98.	-.0065	.0031	-.0121	.0408	.0021	-.0147	342.
.0770	408.	2041.	144.	1980.	-900.	-1147.	-.0112	-.0016	-.0168	.0363	-.0230	-.0098	987.
.0780	678.	1697.	-526.	2623.	-834.	-2164.	-.0144	-.0059	-.0215	.0358	-.0456	-.0052	1405.
.0790	702.	1182.	-1514.	2735.	-388.	-2908.	-.0161	-.0097	-.0254	.0379	-.0611	-.0025	1610.
.0800	707.	1006.	-2562.	2552.	297.	-3233.	-.0168	-.0132	-.0278	.0405	-.0660	-.0012	1657.
.0810	419.	1045.	-3118.	2366.	1091.	-3197.	-.0164	-.0161	-.0290	.0394	-.0640	-.0027	1655.
.0820	-124.	987.	-3033.	2340.	1739.	-3073.	-.0153	-.0182	-.0292	.0345	-.0601	-.0056	1700.
.0830	-256.	958.	-2776.	2395.	1969.	-3135.	-.0142	-.0193	-.0282	.0306	-.0548	-.0041	1769.
.0840	92.	1071.	-2547.	2450.	1781.	-3357.	-.0134	-.0195	-.0264	.0288	-.0503	.0013	1815.
.0850	203.	1070.	-2081.	2549.	1374.	-3446.	-.0116	-.0188	-.0246	.0262	-.0527	.0040	1806.
.0860	-87.	797.	-1495.	2636.	909.	-3179.	-.0082	-.0171	-.0225	.0235	-.0619	.0015	1697.
.0870	-260.	361.	-1247.	2489.	534.	-2589.	-.0036	-.0144	-.0190	.0245	-.0708	-.0023	1457.
.0880	-256.	-197.	-1275.	2039.	435.	-1853.	.0023	-.0110	-.0135	.0284	-.0761	-.0054	1119.
.0890	-193.	-893.	-1087.	1493.	673.	-1161.	.0095	-.0072	-.0065	.0308	-.0788	-.0083	806.
.0900	115.	-1584.	-550.	1088.	1115.	-690.	.0168	-.0030	.0017	.0300	-.0785	-.0085	684.
.0910	865.	-2139.	106.	933.	1566.	-518.	.0225	.0012	.0099	.0266	-.0739	-.0042	760.
.0920	1671.	-2620.	755.	1107.	1824.	-486.	.0253	.0053	.0168	.0206	-.0669	.0020	878.
.0930	1984.	-3100.	1351.	1654.	1714.	-304.	.0247	.0094	.0209	.0125	-.0598	.0057	964.
.0940	1644.	-3490.	1733.	2446.	1224.	163.	.0206	.0136	.0216	.0035	-.0521	.0048	1099.
.0950	869.	-3631.	1773.	3251.	544.	759.	.0138	.0176	.0189	-.0052	-.0431	.0015	1357.
.0960	57.	-3422.	1498.	3931.	-98.	1195.	.0056	.0214	.0135	-.0134	-.0336	-.0008	1649.
.0970	-432.	-2979.	1019.	4501.	-526.	1266.	-.0027	.0251	.0064	-.0215	-.0237	.0011	1888.
.0980	-527.	-2535.	498.	5045.	-620.	939.	-.0100	.0287	-.0016	-.0305	-.0125	.0076	2074.
.0990	-400.	-2087.	138.	5641.	-400.	352.	-.0154	.0325	-.0102	-.0419	.0003	.0165	2274.
.1000	-266.	-1399.	49.	6329.	-62.	-236.	-.0191	.0365	-.0194	-.0554	.0137	.0242	2542.
.1010	-366.	-496.	110.	7061.	190.	-564.	-.0212	.0409	-.0295	-.0691	.0256	.0275	2844.
.1020	-899.	231.	48.	7703.	270.	-540.	-.0217	.0453	-.0405	-.0802	.0325	.0248	3101.
.1030	-1734.	610.	-358.	8099.	146.	-310.	-.0205	.0494	-.0519	-.0859	.0317	.0176	3253.
.1040	-2431.	921.	-1107.	8110.	-151.	-116.	-.0177	.0524	-.0622	-.0850	.0234	.0095	3255.
.1050	-2724.	1209.	-1947.	7734.	-464.	-132.	-.0129	.0538	-.0700	-.0787	.0104	.0028	3110.
.1060	-2636.	1284.	-2503.	7125.	-632.	-334.	-.0059	.0536	-.0737	-.0704	-.0032	-.0025	2874.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.0950	369.	-3631.	1733.	3251.	544.	759.	.0138	.0176	.0189	-.0052	-.0431	.0015	1357.
.0960	57.	-3422.	1498.	3931.	-98.	1195.	.0056	.0214	.0135	-.0134	-.0336	-.0008	1649.
.0970	-432.	-2979.	1019.	4501.	-526.	1266.	-.0027	.0251	.0064	-.0215	-.0237	.0011	1888.
.0980	-527.	-2535.	498.	5045.	-620.	939.	-.0100	.0287	-.0016	-.0305	-.0125	.0076	2074.
.0990	-400.	-2027.	138.	5641.	-400.	352.	-.0154	.0325	-.0102	-.0419	.0003	.0165	2274.
.1000	-266.	-1399.	49.	6329.	-62.	-236.	-.0191	.0365	-.0194	-.0554	.0137	.0242	2542.
.1010	-366.	-496.	110.	7061.	190.	-564.	-.0212	.0409	-.0295	-.0691	.0256	.0275	2844.
.1020	-899.	231.	48.	7703.	270.	-540.	-.0217	.0453	-.0405	-.0802	.0325	.0248	3101.
.1030	-1734.	610.	-358.	8099.	146.	-310.	-.0205	.0494	-.0519	-.0859	.0317	.0176	3253.
.1040	-2431.	921.	-1107.	8110.	-151.	-116.	-.0177	.0524	-.0622	-.0850	.0234	.0095	3255.
.1050	-2724.	1209.	-1947.	7734.	-464.	-132.	-.0129	.0538	-.0700	-.0787	.0104	.0028	3110.
.1060	-2636.	1284.	-2503.	7125.	-622.	-334.	-.0059	.0536	-.0737	-.0704	-.0032	-.0025	2874.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1070	-2190.	1274.	-2487.	6536.	-639.	-553.	.0028	.0517	-.0726	-.0631	-.0132	-.0067	2645.
.1080	-1568.	1555.	-1755.	6034.	-530.	-670.	.0122	.0481	-.0671	-.0586	-.0189	-.0111	2445.
.1090	-910.	1954.	-657.	5400.	-369.	-830.	.0208	.0434	-.0582	-.0545	-.0200	-.0149	2197.
.1100	-0.	1478.	-20.	4781.	-350.	-900.	.0267	.0386	-.0472	-.0474	-.0071	-.0155	1957.
.1110	278.	1154.	801.	4169.	-516.	-836.	.0300	.0329	-.0374	-.0429	.0070	-.0190	1719.
.1120	-91.	2236.	1748.	3281.	-786.	-681.	.0309	.0255	-.0307	-.0408	.0134	-.0256	1381.
.1130	-297.	3289.	1425.	1809.	-1031.	-615.	.0290	.0178	-.0261	-.0311	.0190	-.0283	871.
.1140	-357.	2641.	-410.	-162.	-1165.	-683.	.0254	.0120	-.0221	-.0118	.0268	-.0266	546.
.1150	-701.	1545.	-2229.	-2260.	-1160.	-701.	.0222	.0081	-.0180	.0069	.0336	-.0254	1058.
.1160	-953.	1947.	-2941.	-4138.	-983.	-538.	.0206	.0055	-.0126	.0175	.0415	-.0242	1721.
.1170	-852.	2793.	-2712.	-5497.	-604.	-309.	.0209	.0045	-.0048	.0201	.0522	-.0210	2223.
.1180	-216.	2145.	-2236.	-5908.	-198.	-22.	.0227	.0060	.0054	.0177	.0653	-.0141	2372.
.1190	-34.	491.	-883.	-5364.	172.	312.	.0265	.0089	.0150	.0052	.0627	-.0105	2157.
.1200	232.	-166.	900.	-4478.	399.	563.	.0309	.0121	.0223	-.0123	.0442	-.0060	1818.
.1210	1534.	-80.	1596.	-3814.	322.	589.	.0334	.0163	.0277	-.0222	.0252	.0076	1554.
.1220	2210.	-1246.	1549.	-3348.	25.	607.	.0346	.0229	.0297	-.0277	.0036	.0192	1365.
.1230	1906.	-2595.	1383.	-2961.	-388.	1089.	.0350	.0313	.0285	-.0340	-.0176	.0238	1276.
.1240	1072.	-2581.	1471.	-2709.	-628.	2042.	.0350	.0394	.0253	-.0439	-.0360	.0234	1384.
.1250	466.	-2116.	1380.	-2551.	-481.	3021.	.0346	.0469	.0219	-.0548	-.0463	.0250	1598.
.1260	509.	-2550.	928.	-2230.	11.	3658.	.0336	.0541	.0195	-.0654	-.0467	.0328	1719.
.1270	351.	-3352.	1212.	-1728.	777.	3727.	.0331	.0602	.0168	-.0823	-.0502	.0415	1678.
.1280	958.	-2506.	1796.	-1343.	1480.	3184.	.0310	.0638	.0140	-.1000	-.0518	.0567	1508.
.1290	2113.	-843.	1992.	-1131.	1875.	2226.	.0263	.0652	.0108	-.1125	-.0499	.0761	1253.
.1300	2620.	-249.	1753.	-745.	1840.	1416.	.0192	.0655	.0065	-.1208	-.0506	.0893	979.
.1310	2373.	-134.	1322.	112.	1343.	1284.	.0100	.0643	.0007	-.1283	-.0555	.0924	747.
.1320	1307.	450.	1288.	1358.	654.	1662.	.0001	.0606	-.0064	-.1393	-.0688	.0849	900.
.1330	588.	1236.	1129.	2760.	0.	1934.	-.0098	.0546	-.0129	-.1489	-.0800	.0775	1352.
.1340	352.	1074.	827.	4095.	-373.	1632.	-.0185	.0475	-.0179	-.1559	-.0861	.0743	1775.
.1350	519.	604.	662.	5119.	-366.	767.	-.0245	.0391	-.0214	-.1613	-.0886	.0747	2082.
.1360	1361.	1209.	413.	5710.	-62.	-261.	-.0282	.0288	-.0235	-.1633	-.0849	.0782	2294.
.1370	1705.	1893.	210.	6022.	495.	-993.	-.0287	.0175	-.0255	-.1641	-.0816	.0751	2457.
.1380	1343.	1653.	-216.	6277.	1028.	-1164.	-.0268	.0070	-.0281	-.1623	-.0778	.0636	2595.
.1390	298.	968.	-576.	6397.	1292.	-1023.	-.0230	-.0022	-.0321	-.1594	-.0786	.0452	2651.
.1400	-640.	1070.	-833.	6147.	1177.	-1095.	-.0179	-.0105	-.0370	-.1540	-.0845	.0278	2549.
.1410	-618.	1829.	-1357.	5571.	769.	-1619.	-.0121	-.0177	-.0417	-.1433	-.0895	.0191	2348.
.1420	-665.	1729.	-1584.	4946.	386.	-2402.	-.0045	-.0227	-.0460	-.1334	-.0995	.0122	2212.
.1430	-752.	1177.	-1461.	4311.	120.	-3104.	.0049	-.0256	-.0487	-.1254	-.1108	.0057	2132.
.1440	-693.	1168.	-1097.	3406.	67.	-3561.	.0152	-.0270	-.0487	-.1177	-.1182	-.0000	1977.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.1330	384.	1236.	112.	2760.	0.	1934.	-.0078	.0546	-.0129	-.1489	-.0800	.0775	1352.
.1340	352.	1074.	827.	4095.	-373.	1672.	-.0185	.0475	-.0179	-.1559	-.0861	.0743	1775.
.1350	519.	604.	662.	5119.	-366.	767.	-.0245	.0391	-.0214	-.1613	-.0886	.0747	2082.
.1360	1361.	1209.	413.	5710.	-62.	-261.	-.0282	.0288	-.0235	-.1633	-.0849	.0782	2294.
.1370	1705.	1893.	210.	6022.	495.	-993.	-.0287	.0175	-.0255	-.1641	-.0816	.0751	2457.
.1380	1747.	1653.	-216.	6277.	1028.	-1164.	-.0268	.0070	-.0281	-.1623	-.0778	.0636	2595.
.1390	292.	968.	-576.	6397.	1292.	-1023.	-.0230	-.0022	-.0321	-.1594	-.0786	.0452	2651.
.1400	-640.	1070.	-833.	6147.	1177.	-1095.	-.0179	-.0105	-.0370	-.1540	-.0845	.0278	2549.
.1410	-618.	1829.	-1357.	5571.	769.	-1619.	-.0121	-.0177	-.0417	-.1433	-.0895	.0191	2348.
.1420	-665.	1729.	-1584.	4946.	386.	-2402.	-.0045	-.0227	-.0460	-.1334	-.0995	.0122	2212.
.1430	-752.	1177.	-1461.	4311.	120.	-3104.	.0049	-.0256	-.0487	-.1254	-.1108	.0057	2132.
.1440	-697.	1168.	-1097.	3406.	67.	-3561.	.0152	-.0270	-.0487	-.1177	-.1182	-.0000	1977.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1450	-465.	1502.	-763.	2108.	261.	-3675.	.0255	-.0263	-.0456	-.1078	-.1164	-.0044	1703.
.1460	-187.	1449.	-604.	611.	648.	-3345.	.0349	-.0230	-.0395	-.0955	-.1048	-.0077	1389.
.1470	-495.	859.	-193.	-925.	1149.	-2693.	.0432	-.0173	-.0322	-.0850	-.0954	-.0140	1232.
.1480	-397.	650.	-41.	-2473.	1550.	-1968.	.0487	-.0104	-.0237	-.0729	-.0873	-.0162	1413.
.1490	154.	403.	-231.	-3910.	1800.	-1359.	.0509	-.0023	-.0145	-.0590	-.0812	-.0131	1811.
.1500	571.	-598.	-372.	-5004.	1839.	-827.	.0501	.0072	-.0051	-.0462	-.0785	-.0087	2165.
.1510	1046.	-1545.	-319.	-5664.	1516.	-197.	.0461	.0174	.0046	-.0353	-.0732	-.0030	2354.
.1520	1257.	-1739.	272.	-5996.	963.	608.	.0399	.0272	.0143	-.0290	-.0656	.0005	2449.
.1530	1429.	-1368.	1065.	-6093.	404.	1560.	.0323	.0362	.0239	-.0253	-.0516	.0033	2529.
.1540	1243.	-1416.	1922.	-6126.	68.	2407.	.0244	.0445	.0327	-.0233	-.0351	.0045	2641.
.1550	1142.	-1619.	2456.	-6417.	-51.	2824.	.0164	.0516	.0401	-.0193	-.0167	.0088	2813.
.1560	1904.	-1003.	2258.	-7099.	-81.	2740.	.0075	.0567	.0461	-.0097	.0080	.0218	3054.
.1570	2373.	-220.	1982.	-7910.	24.	2365.	-.0012	.0599	.0493	-.0001	.0307	.0345	3313.
.1580	2358.	192.	1583.	-8490.	114.	2073.	-.0097	.0614	.0497	.0088	.0518	.0433	3507.
.1590	2121.	514.	940.	-8660.	8.	2104.	-.0185	.0607	.0482	.0177	.0727	.0482	3576.
.1600	1322.	932.	529.	-8337.	-263.	2476.	-.0265	.0574	.0449	.0232	.0872	.0461	3491.
.1610	253.	1366.	461.	-7563.	-623.	2962.	-.0331	.0518	.0407	.0259	.0951	.0402	3269.
.1620	-168.	1682.	312.	-6494.	-1039.	3230.	-.0384	.0446	.0372	.0300	.1028	.0380	2940.
.1630	-377.	1594.	424.	-5300.	-1345.	3056.	-.0413	.0362	.0341	.0328	.1047	.0374	2514.
.1640	-223.	1649.	725.	-4101.	-1529.	2535.	-.0421	.0267	.0316	.0346	.1023	.0384	2030.
.1650	282.	1945.	978.	-2908.	-1602.	1958.	-.0415	.0166	.0296	.0368	.0991	.0402	1547.
.1660	255.	1738.	1289.	-1727.	-1506.	1540.	-.0394	.0067	.0270	.0375	.0920	.0366	1108.
.1670	4.	1342.	1291.	-676.	-1377.	1335.	-.0372	-.0025	.0239	.0391	.0854	.0297	816.
.1680	-442.	1226.	1108.	74.	-1292.	1211.	-.0355	-.0106	.0198	.0414	.0784	.0204	711.
.1690	-732.	1485.	657.	508.	-1264.	1038.	-.0348	-.0172	.0152	.0454	.0731	.0119	687.
.1700	-1065.	1465.	60.	737.	-1193.	734.	-.0347	-.0217	.0105	.0497	.0681	.0038	635.
.1710	-1675.	947.	-408.	787.	-1043.	270.	-.0346	-.0240	.0062	.0526	.0604	-.0053	535.
.1720	-1558.	878.	-1056.	654.	-964.	-259.	-.0354	-.0243	.0038	.0573	.0584	-.0093	479.
.1730	-1409.	997.	-1340.	439.	-840.	-731.	-.0361	-.0225	.0032	.0600	.0577	-.0133	481.
.1740	-1461.	896.	-1229.	291.	-640.	-1007.	-.0363	-.0186	.0043	.0598	.0581	-.0192	493.
.1750	-1420.	672.	-1012.	234.	-464.	-1030.	-.0364	-.0128	.0070	.0590	.0602	-.0248	463.
.1760	-1519.	366.	-621.	169.	-310.	-899.	-.0359	-.0056	.0104	.0573	.0575	-.0312	388.
.1770	-1312.	115.	-459.	9.	-180.	-747.	-.0353	.0025	.0140	.0577	.0514	-.0345	308.
.1780	-1093.	-486.	-477.	-275.	-2.	-681.	-.0341	.0112	.0174	.0599	.0390	-.0358	295.
.1790	-618.	-1155.	-756.	-625.	141.	-626.	-.0327	.0201	.0206	.0645	.0240	-.0340	360.
.1800	-95.	-1602.	-1004.	-908.	231.	-435.	-.0310	.0286	.0236	.0691	.0075	-.0311	414.
.1810	-110.	-2094.	-798.	-1025.	369.	-91.	-.0285	.0363	.0262	.0701	-.0125	-.0312	439.
.1820	134.	-2445.	-624.	-973.	492.	309.	-.0262	.0427	.0289	.0714	-.0271	-.0286	455.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.1710	-1675.	747.	-408.	787.	-1043.	270.	-.0246	-.0240	.0062	.0526	.0504	-.0053	535.
.1720	-1558.	878.	-1056.	654.	-964.	-259.	-.0354	-.0243	.0038	.0573	.0584	-.0093	479.
.1730	-1409.	997.	-1340.	439.	-840.	-731.	-.0361	-.0225	.0032	.0600	.0577	-.0133	481.
.1740	-1461.	896.	-1229.	291.	-640.	-1007.	-.0363	-.0186	.0043	.0598	.0581	-.0192	493.
.1750	-1420.	672.	-1012.	274.	-474.	-1030.	-.0364	-.0128	.0070	.0590	.0502	-.0248	463.
.1760	-1519.	366.	-621.	169.	-310.	-899.	-.0359	-.0056	.0104	.0573	.0575	-.0312	388.
.1770	-1312.	115.	-459.	9.	-180.	-747.	-.0353	.0025	.0140	.0577	.0514	-.0345	308.
.1780	-1093.	-486.	-477.	-275.	-2.	-681.	-.0341	.0112	.0174	.0599	.0390	-.0358	295.
.1790	-618.	-1155.	-756.	-625.	141.	-626.	-.0327	.0201	.0206	.0645	.0240	-.0340	360.
.1800	-95.	-1602.	-1004.	-908.	231.	-435.	-.0310	.0286	.0236	.0691	.0075	-.0311	414.
.1810	-110.	-2094.	-798.	-1025.	369.	-91.	-.0285	.0363	.0262	.0701	-.0125	-.0312	439.
.1820	134.	-2445.	-624.	-973.	492.	309.	-.0262	.0427	.0289	.0714	-.0271	-.0286	455.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1830	493.	-2716.	-363.	-778.	611.	622.	-.0244	.0477	.0315	.0719	-.0380	-.0240	469.
.1840	827.	-2724.	83.	-427.	705.	796.	-.0231	.0507	.0332	.0704	-.0472	-.0182	460.
.1850	1117.	-2470.	564.	62.	748.	826.	-.0229	.0516	.0333	.0677	-.0546	-.0116	448.
.1860	1157.	-2293.	913.	575.	751.	696.	-.0237	.0507	.0315	.0650	-.0608	-.0055	471.
.1870	1274.	-2026.	753.	1000.	660.	477.	-.0263	.0480	.0280	.0655	-.0621	.0015	517.
.1880	1003.	-1715.	382.	1308.	536.	269.	-.0298	.0437	.0228	.0669	-.0627	.0052	577.
.1890	492.	-1292.	-154.	1547.	414.	151.	-.0339	.0379	.0167	.0693	-.0613	.0058	645.
.1900	-5.	-905.	-825.	1769.	345.	69.	-.0382	.0309	.0108	.0728	-.0559	.0049	724.
.1910	-622.	-780.	-1304.	1977.	392.	-158.	-.0418	.0232	.0058	.0755	-.0499	.0021	811.
.1920	-801.	-529.	-1671.	2151.	452.	-650.	-.0452	.0148	.0025	.0786	-.0413	.0016	920.
.1930	-546.	-121.	-1849.	2327.	464.	-1361.	-.0485	.0061	.0012	.0819	-.0308	.0033	1098.
.1940	-227.	169.	-1769.	2590.	410.	-2070.	-.0515	-.0022	.0014	.0841	-.0199	.0044	1341.
.1950	-57.	275.	-1544.	2946.	249.	-2533.	-.0545	-.0096	.0026	.0854	-.0085	.0028	1562.
.1960	-76.	366.	-1326.	3297.	-52.	-2636.	-.0577	-.0160	.0043	.0867	.0037	-.0021	1694.
.1970	-313.	469.	-1188.	3509.	-422.	-2429.	-.0609	-.0211	.0061	.0881	.0164	-.0097	1721.
.1980	-670.	510.	-1180.	3468.	-740.	-2051.	-.0634	-.0246	.0078	.0902	.0306	-.0183	1644.
.1990	-945.	562.	-1319.	3117.	-928.	-1634.	-.0648	-.0265	.0095	.0929	.0464	-.0256	1460.
.2000	-1072.	707.	-1503.	2468.	-957.	-1251.	-.0645	-.0269	.0113	.0955	.0626	-.0310	1175.
.2010	-1114.	848.	-1628.	1597.	-823.	-914.	-.0621	-.0258	.0132	.0972	.0781	-.0352	809.
.2020	-1076.	881.	-1672.	622.	-590.	-591.	-.0577	-.0231	.0153	.0978	.0931	-.0385	418.
.2030	-1007.	861.	-1559.	-309.	-385.	-213.	-.0517	-.0190	.0176	.0970	.1073	-.0417	216.
.2040	-1061.	878.	-1144.	-1067.	-312.	265.	-.0444	-.0138	.0197	.0935	.1182	-.0461	459.
.2050	-1238.	878.	-491.	-1613.	-398.	797.	-.0364	-.0077	.0212	.0879	.1243	-.0514	740.
.2060	-1355.	713.	129.	-1991.	-607.	1281.	-.0283	-.0012	.0222	.0819	.1257	-.0558	981.
.2070	-1341.	342.	571.	-2264.	-864.	1659.	-.0205	.0054	.0229	.0769	.1232	-.0583	1179.
.2080	-1310.	-123.	916.	-2476.	-1090.	1966.	-.0133	.0118	.0234	.0722	.1176	-.0596	1342.
.2090	-1314.	-574.	1217.	-2664.	-1216.	2263.	-.0069	.0178	.0239	.0677	.1113	-.0602	1485.
.2100	-1299.	-993.	1403.	-2869.	-1201.	2571.	-.0017	.0232	.0248	.0641	.1072	-.0597	1619.
.2110	-1272.	-1395.	1453.	-3104.	-1046.	2870.	.0020	.0279	.0262	.0617	.1055	-.0581	1748.
.2120	-1245.	-1731.	1409.	-3343.	-842.	3123.	.0040	.0317	.0279	.0602	.1048	-.0554	1865.
.2130	-1166.	-1964.	1297.	-3534.	-595.	3271.	.0041	.0344	.0297	.0595	.1037	-.0512	1947.
.2140	-998.	-2093.	1141.	-3629.	-468.	3249.	.0023	.0359	.0311	.0595	.1017	-.0449	1964.
.2150	-754.	-2066.	983.	-3616.	-407.	3042.	-.0011	.0362	.0321	.0596	.0978	-.0370	1906.
.2160	-463.	-1823.	830.	-3509.	-394.	2714.	-.0059	.0354	.0324	.0596	.0920	-.0285	1796.
.2170	-192.	-1461.	648.	-3314.	-795.	2382.	-.0112	.0335	.0321	.0594	.0848	-.0206	1668.
.2180	-46.	-1160.	447.	-3038.	-964.	2134.	-.0163	.0309	.0312	.0586	.0767	-.0145	1539.
.2190	-27.	-930.	269.	-2725.	-1008.	1960.	-.0203	.0278	.0297	.0564	.0683	-.0105	1407.
.2200	12.	-636.	109.	-2450.	-897.	1768.	-.0228	.0242	.0277	.0531	.0598	-.0074	1265.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.2100	-1299.	-993.	1403.	-2869.	-1201.	2571.	-.0017	.0232	.0248	.0641	.1072	-.0597	1619.
.2110	-1272.	-1395.	1453.	-3104.	-1046.	2870.	.0020	.0279	.0262	.0617	.1055	-.0581	1748.
.2120	-1245.	-1731.	1409.	-3343.	-812.	3123.	.0040	.0317	.0279	.0602	.1048	-.0554	1865.
.2130	-1166.	-1964.	1297.	-3534.	-595.	3271.	.0041	.0344	.0297	.0595	.1037	-.0512	1947.
.2140	-998.	-2003.	1141.	-3609.	-468.	3249.	.0023	.0359	.0311	.0595	.1017	-.0449	1964.
.2150	-754.	-2066.	983.	-3616.	-467.	3042.	-.0011	.0362	.0321	.0596	.0978	-.0370	1906.
.2160	-463.	-1823.	830.	-3509.	-594.	2714.	-.0059	.0354	.0324	.0596	.0920	-.0285	1796.
.2170	-192.	-1461.	648.	-3314.	-795.	2382.	-.0112	.0335	.0321	.0594	.0848	-.0206	1668.
.2180	-46.	-1160.	447.	-3038.	-964.	2134.	-.0163	.0309	.0312	.0586	.0767	-.0145	1539.
.2190	-27.	-930.	265.	-2725.	-1008.	1960.	-.0203	.0278	.0297	.0564	.0683	-.0105	1407.
.2200	12.	-636.	109.	-2450.	-897.	1768.	-.0228	.0242	.0277	.0531	.0598	-.0074	1265.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2210	168.	-270.	-77.	-2255.	-647.	1462.	-.0236	.0202	.0251	.0489	.0512	-.0043	1109.
.2220	389.	36.	-307.	-2114.	-302.	1036.	-.0227	.0160	.0217	.0439	.0415	-.0016	952.
.2230	563.	240.	-549.	-1947.	55.	578.	-.0202	.0120	.0173	.0376	.0302	-.0002	815.
.2240	598.	413.	-735.	-1681.	331.	190.	-.0166	.0081	.0118	.0295	.0169	-.0012	692.
.2250	450.	587.	-811.	-1289.	474.	-93.	-.0123	.0047	.0053	.0191	.0018	-.0049	552.
.2260	174.	737.	-778.	-791.	495.	-310.	-.0075	.0020	-.0018	.0068	-.0141	-.0103	395.
.2270	-115.	862.	-671.	-249.	452.	-524.	-.0025	.0001	-.0091	-.0070	-.0299	-.0159	295.
.2280	-338.	974.	-525.	260.	418.	-787.	.0024	-.0011	-.0162	-.0218	-.0451	-.0206	373.
.2290	-454.	1051.	-400.	652.	459.	-1118.	.0070	-.0016	-.0225	-.0368	-.0593	-.0234	551.
.2300	-440.	1077.	-367.	868.	603.	-1479.	.0109	-.0013	-.0278	-.0511	-.0712	-.0242	730.
.2310	-356.	1079.	-433.	900.	826.	-1786.	.0137	-.0002	-.0317	-.0642	-.0800	-.0234	868.
.2320	-317.	1082.	-536.	790.	1065.	-1944.	.0152	.0015	-.0342	-.0764	-.0860	-.0221	944.
.2330	-352.	1062.	-644.	597.	1244.	-1913.	.0152	.0039	-.0351	-.0873	-.0897	-.0207	946.
.2340	-384.	972.	-751.	376.	1313.	-1723.	.0136	.0067	-.0342	-.0968	-.0915	-.0187	882.
.2350	-342.	812.	-791.	172.	1266.	-1441.	.0108	.0098	-.0315	-.1050	-.0923	-.0156	773.
.2360	-192.	625.	-681.	-1.	1116.	-1129.	.0072	.0131	-.0270	-.1123	-.0927	-.0113	637.
.2370	99.	433.	-410.	-158.	894.	-813.	.0034	.0165	-.0207	-.1184	-.0921	-.0057	489.
.2380	504.	209.	-23.	-332.	649.	-482.	-.0003	.0198	-.0130	-.1229	-.0895	.0008	351.
.2390	929.	-35.	446.	-553.	433.	-110.	-.0032	.0229	-.0043	-.1259	-.0849	.0073	285.
.2400	1304.	-218.	948.	-847.	268.	315.	-.0053	.0256	.0047	-.1272	-.0783	.0132	378.
.2410	1610.	-311.	1404.	-1222.	148.	766.	-.0065	.0279	.0131	-.1266	-.0699	.0182	582.
.2420	1830.	-372.	1753.	-1657.	53.	1179.	-.0068	.0296	.0204	-.1240	-.0601	.0227	816.
.2430	1963.	-433.	1968.	-2114.	-41.	1497.	-.0064	.0308	.0260	-.1196	-.0494	.0269	1040.
.2440	2026.	-434.	2038.	-2551.	-161.	1719.	-.0055	.0314	.0297	-.1136	-.0380	.0309	1236.
.2450	1993.	-340.	2010.	-2902.	-309.	1893.	-.0042	.0313	.0315	-.1066	-.0263	.0342	1396.
.2460	1804.	-216.	1968.	-3083.	-468.	2062.	-.0024	.0304	.0315	-.0996	-.0149	.0359	1500.
.2470	1494.	-111.	1978.	-3024.	-616.	2205.	-.0001	.0290	.0299	-.0937	-.0041	.0363	1522.
.2480	1200.	-17.	2004.	-2732.	-744.	2265.	.0025	.0268	.0270	-.0887	.0061	.0366	1455.
.2490	984.	68.	1979.	-2274.	-842.	2225.	.0054	.0241	.0230	-.0841	.0156	.0373	1321.
.2500	773.	153.	1908.	-1702.	-895.	2125.	.0084	.0209	.0181	-.0801	.0236	.0375	1150.
.2510	495.	246.	1793.	-1066.	-898.	2014.	.0118	.0174	.0122	-.0768	.0292	.0364	983.
.2520	169.	322.	1591.	-423.	-863.	1895.	.0153	.0136	.0055	-.0740	.0325	.0342	853.
.2530	-145.	368.	1273.	167.	-811.	1727.	.0189	.0098	-.0016	-.0711	.0332	.0314	768.
.2540	-391.	431.	881.	674.	-757.	1473.	.0225	.0061	-.0089	-.0685	.0318	.0286	718.
.2550	-552.	547.	504.	1108.	-704.	1140.	.0260	.0026	-.0159	-.0666	.0285	.0258	698.
.2560	-652.	702.	226.	1493.	-648.	762.	.0297	-.0006	-.0224	-.0661	.0239	.0228	721.
.2570	-708.	889.	81.	1832.	-584.	375.	.0333	-.0034	-.0281	-.0671	.0181	.0195	786.
.2580	-702.	1045.	13.	2109.	-509.	-3.	.0369	-.0059	-.0329	-.0691	.0118	.0161	871.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.2470	1494.	-111.	1978.	-3024.	-616.	2205.	-.0001	.0290	.0299	-.0937	-.0041	.0363	1522.
.2480	1200.	-17.	2004.	-2732.	-744.	2265.	.0025	.0268	.0270	-.0887	.0061	.0366	1455.
.2490	984.	68.	1979.	-2274.	-842.	2225.	.0054	.0241	.0230	-.0841	.0156	.0373	1321.
.2500	773.	153.	1908.	-1702.	-895.	2125.	.0084	.0209	.0181	-.0801	.0236	.0375	1150.
.2510	495.	246.	1793.	-1066.	-898.	2014.	.0118	.0174	.0122	-.0768	.0292	.0364	983.
.2520	169.	322.	1691.	-423.	-863.	1895.	.0153	.0136	.0055	-.0740	.0325	.0342	853.
.2530	-145.	368.	1277.	167.	-811.	1727.	.0189	.0092	-.0016	-.0711	.0332	.0314	768.
.2540	-391.	431.	881.	674.	-757.	1473.	.0225	.0061	-.0089	-.0685	.0318	.0286	718.
.2550	-552.	547.	504.	1108.	-704.	1140.	.0260	.0026	-.0159	-.0666	.0285	.0258	698.
.2560	-652.	702.	226.	1493.	-648.	762.	.0297	-.0006	-.0224	-.0661	.0239	.0228	721.
.2570	-708.	889.	81.	1832.	-584.	375.	.0333	-.0034	-.0281	-.0671	.0181	.0195	786.
.2580	-702.	1045.	13.	2109.	-509.	-3.	.0369	-.0059	-.0329	-.0691	.0118	.0161	871.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2590	-625.	1121.	-45.	2313.	-421.	-360.	.0402	-.0080	-.0366	-.0716	.0052	.0129	954.
.2600	-507.	1200.	-85.	2446.	-323.	-690.	.0434	-.0101	-.0394	-.0744	-.0018	.0100	1028.
.2610	-383.	1340.	-82.	2524.	-222.	-986.	.0462	-.0121	-.0416	-.0778	-.0094	.0073	1091.
.2620	-257.	1444.	-80.	2567.	-122.	-1250.	.0487	-.0141	-.0433	-.0814	-.0174	.0050	1147.
.2630	-130.	1436.	-120.	2594.	-23.	-1485.	.0508	-.0160	-.0446	-.0847	-.0256	.0035	1199.
.2640	-6.	1366.	-180.	2637.	80.	-1693.	.0526	-.0179	-.0456	-.0879	-.0341	.0028	1258.
.2650	107.	1265.	-229.	2725.	188.	-1872.	.0541	-.0198	-.0465	-.0911	-.0428	.0031	1329.
.2660	210.	1148.	-252.	2859.	308.	-2017.	.0555	-.0217	-.0472	-.0942	-.0514	.0041	1410.
.2670	300.	993.	-256.	3031.	443.	-2133.	.0567	-.0236	-.0478	-.0970	-.0598	.0059	1498.
.2680	381.	772.	-274.	3235.	593.	-2215.	.0578	-.0253	-.0481	-.0990	-.0680	.0085	1591.
.2690	467.	577.	-300.	3469.	752.	-2259.	.0587	-.0270	-.0484	-.1002	-.0759	.0118	1688.
.2700	554.	490.	-289.	3738.	911.	-2265.	.0593	-.0286	-.0484	-.1008	-.0837	.0157	1792.
.2710	626.	429.	-231.	4049.	1056.	-2246.	.0595	-.0298	-.0484	-.1010	-.0910	.0200	1906.
.2720	672.	203.	-173.	4401.	1175.	-2206.	.0592	-.0304	-.0483	-.1005	-.0970	.0244	2031.
.2730	679.	-158.	-131.	4780.	1262.	-2140.	.0582	-.0305	-.0480	-.0991	-.1016	.0289	2162.
.2740	650.	-357.	-60.	5141.	1327.	-2049.	.0566	-.0306	-.0475	-.0971	-.1052	.0332	2284.
.2750	610.	-312.	18.	5431.	1388.	-1959.	.0545	-.0308	-.0468	-.0942	-.1077	.0372	2383.
.2760	579.	-290.	22.	5630.	1450.	-1904.	.0516	-.0308	-.0457	-.0897	-.1085	.0412	2455.
.2770	559.	-455.	-67.	5747.	1505.	-1915.	.0482	-.0306	-.0443	-.0838	-.1079	.0453	2505.
.2780	584.	-581.	-172.	5801.	1542.	-1997.	.0442	-.0304	-.0424	-.0767	-.1062	.0496	2538.
.2790	686.	-454.	-227.	5824.	1551.	-2139.	.0396	-.0303	-.0402	-.0692	-.1036	.0541	2566.
.2800	821.	-292.	-247.	5867.	1517.	-2321.	.0344	-.0300	-.0378	-.0615	-.1003	.0583	2604.
.2810	916.	-363.	-269.	5969.	1418.	-2516.	.0287	-.0295	-.0352	-.0537	-.0961	.0616	2661.
.2820	968.	-522.	-297.	6109.	1247.	-2701.	.0228	-.0287	-.0328	-.0457	-.0914	.0639	2727.
.2830	1008.	-472.	-331.	6238.	1030.	-2860.	.0167	-.0281	-.0307	-.0377	-.0860	.0654	2785.
.2840	1006.	-258.	-408.	6312.	798.	-2983.	.0108	-.0276	-.0292	-.0293	-.0800	.0656	2820.
.2850	917.	-147.	-585.	6307.	574.	-3067.	.0057	-.0269	-.0282	-.0203	-.0734	.0644	2824.
.2860	767.	-169.	-862.	6203.	376.	-3111.	.0016	-.0259	-.0278	-.0109	-.0665	.0616	2789.
.2870	606.	-126.	-1163.	6004.	218.	-3108.	-.0010	-.0247	-.0278	-.0015	-.0595	.0577	2714.
.2880	433.	19.	-1403.	5755.	103.	-3053.	-.0019	-.0234	-.0284	.0072	-.0529	.0524	2615.
.2890	231.	115.	-1555.	5508.	12.	-2948.	-.0009	-.0217	-.0293	.0147	-.0473	.0458	2507.
.2900	18.	111.	-1617.	5279.	-81.	-2803.	.0018	-.0197	-.0305	.0210	-.0431	.0379	2399.
.2910	-181.	93.	-1588.	5056.	-186.	-2625.	.0060	-.0173	-.0321	.0261	-.0407	.0292	2287.
.2920	-380.	85.	-1488.	4827.	-302.	-2410.	.0115	-.0149	-.0339	.0303	-.0401	.0199	2168.
.2930	-596.	41.	-1362.	4568.	-421.	-2156.	.0179	-.0123	-.0359	.0339	-.0409	.0102	2034.
.2940	-812.	-7.	-1237.	4238.	-529.	-1878.	.0248	-.0098	-.0377	.0372	-.0424	.0007	1872.
.2950	-995.	-8.	-1122.	3802.	-600.	-1601.	.0316	-.0073	-.0392	.0405	-.0435	-.0080	1673.
.2960	-1131.	-24.	-1028.	3263.	-611.	-1336.	.0380	-.0047	-.0400	.0437	-.0434	-.0154	1436.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.2850	811.	-147.	-[illegible].	6307.	274.	-3087.	.0057	-.0269	-.0292	-.0203	-.0774	.0644	2824.
.2860	767.	-169.	-862.	6203.	376.	-3111.	.0016	-.0259	-.0278	-.0109	-.0565	.0616	2789.
.2870	606.	-126.	-1163.	6004.	218.	-3108.	-.0010	-.0247	-.0278	-.0015	-.0595	.0577	2714.
.2880	433.	19.	-1403.	5755.	103.	-3053.	-.0019	-.0234	-.0284	.0072	-.0529	.0524	2615.
.2890	231.	115.	-1555.	5508.	12.	-2948.	-.0009	-.0217	-.0293	.0147	-.0473	.0458	2507.
.2900	18.	111.	-1617.	5279.	-81.	-2803.	.0018	-.0197	-.0305	.0210	-.0431	.0379	2399.
.2910	-161.	93.	-1558.	5056.	-186.	-2625.	.0060	-.0177	-.0321	.0261	-.0407	.0292	2287.
.2920	-360.	85.	-1488.	4827.	-302.	-2410.	.0115	-.0149	-.0339	.0303	-.0401	.0199	2168.
.2930	-596.	41.	-1362.	4568.	-421.	-2156.	.0179	-.0122	-.0359	.0339	-.0409	.0102	2034.
.2940	-812.	-7.	-1237.	4238.	-529.	-1878.	.0248	-.0098	-.0377	.0372	-.0424	.0007	1872.
.2950	-995.	-8.	-1122.	3802.	-600.	-1601.	.0316	-.0077	-.0392	.0405	-.0435	-.0080	1673.
.2960	-1131.	-24.	-1028.	3263.	-611.	-1336.	.0380	-.0047	-.0400	.0437	-.0434	-.0154	1436.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2970	-1225.	-124.	-961.	2652.	-561.	-1079.	.0435	-.0023	-.0401	.0472	-.0414	-.0211	1171.
.2980	-1276.	-222.	-893.	1995.	-468.	-823.	.0477	-.0001	-.0392	.0506	-.0375	-.0249	886.
.2990	-1272.	-212.	-809.	1307.	-354.	-579.	.0504	.0016	-.0374	.0539	-.0320	-.0268	591.
.3000	-1217.	-163.	-739.	604.	-244.	-355.	.0513	.0027	-.0347	.0576	-.0251	-.0268	298.
.3010	-1140.	-197.	-718.	-98.	-166.	-146.	.0504	.0034	-.0312	.0619	-.0172	-.0251	97.
.3020	-1055.	-259.	-731.	-790.	-142.	57.	.0480	.0035	-.0270	.0667	-.0091	-.0219	323.
.3030	-940.	-209.	-737.	-1471.	-165.	248.	.0442	.0029	-.0222	.0720	-.0011	-.0174	602.
.3040	-778.	-83.	-726.	-2135.	-207.	403.	.0394	.0016	-.0168	.0775	.0069	-.0117	876.
.3050	-573.	-29.	-701.	-2768.	-251.	509.	.0341	-.0001	-.0109	.0830	.0150	-.0049	1134.
.3060	-335.	-41.	-637.	-3353.	-290.	575.	.0285	-.0022	-.0047	.0881	.0232	.0026	1370.
.3070	-77.	13.	-507.	-3871.	-321.	628.	.0230	-.0048	.0016	.0925	.0311	.0103	1579.
.3080	169.	163.	-325.	-4309.	-342.	695.	.0177	-.0079	.0076	.0958	.0384	.0178	1757.
.3090	357.	304.	-137.	-4652.	-363.	791.	.0128	-.0112	.0131	.0982	.0448	.0244	1899.
.3100	466.	397.	24.	-4900.	-406.	925.	.0081	-.0146	.0177	.0997	.0498	.0299	2008.
.3110	495.	493.	162.	-5050.	-481.	1099.	.0039	-.0178	.0213	.1001	.0532	.0339	2083.
.3120	454.	602.	287.	-5095.	-578.	1300.	.0000	-.0208	.0239	.0994	.0548	.0368	2123.
.3130	367.	684.	407.	-5031.	-682.	1501.	-.0033	-.0235	.0256	.0976	.0548	.0385	2124.
.3140	273.	748.	535.	-4864.	-781.	1670.	-.0062	-.0256	.0265	.0947	.0535	.0394	2087.
.3150	195.	827.	692.	-4611.	-859.	1789.	-.0087	-.0271	.0269	.0905	.0511	.0395	2015.
.3160	130.	890.	865.	-4287.	-905.	1855.	-.0109	-.0280	.0267	.0855	.0479	.0389	1909.
.3170	66.	892.	1013.	-3910.	-919.	1877.	-.0128	-.0283	.0262	.0801	.0440	.037[illegible]	1779.
.3180	3.	865.	1100.	-3516.	-913.	1861.	-.0143	-.0279	.0253	.0748	.0394	.0354	1638.
.3190	-56.	844.	1105.	-3136.	-894.	1809.	-.0168	-.0269	.0241	.0700	.0340	.0325	1496.
.3200	-119.	764.	1013.	-2780.	-865.	1726.	-.0191	-.0253	.0228	.0659	.0279	.0287	1358.
.3210	-194.	545.	830.	-2443.	-831.	1625.	-.0216	-.0231	.0215	.0627	.0217	.0241	1224.
.3220	-263.	245.	598.	-2122.	-795.	1514.	-.0242	-.0205	.0204	.0602	.0155	.0190	1094.
.3230	-301.	-12.	384.	-1823.	-756.	1390.	-.0267	-.0177	.0196	.0581	.0098	.0134	969.
.3240	-295.	-223.	215.	-1555.	-700.	1246.	-.0291	-.0151	.0193	.0563	.0050	.0075	847.
.3250	-260.	-469.	84.	-1324.	-626.	1084.	-.0310	-.0125	.0195	.0549	.0015	.0015	731.
.3260	-218.	-743.	-14.	-1149.	-544.	917.	-.0325	-.0103	.0199	.0539	-.0009	-.0047	629.
.3270	-174.	-930.	-88.	-1061.	-465.	754.	-.0333	-.0087	.0204	.0534	-.0026	-.0108	555.
.3280	-124.	-990.	-167.	-1076.	-394.	598.	-.0334	-.0078	.0209	.0537	-.0037	-.0168	519.
.3290	-90.	-1020.	-275.	-1185.	-331.	452.	-.0328	-.0076	.0211	.0546	-.0043	-.0224	526.
.3300	-97.	-1077.	-400.	-1360.	-281.	335.	-.0315	-.0082	.0211	.0559	-.0044	-.0279	573.
.3310	-135.	-1103.	-501.	-1562.	-245.	262.	-.0295	-.0096	.0208	.0572	-.0042	-.0330	643.
.3320	-177.	-1037.	-545.	-1757.	-217.	236.	-.0267	-.0119	.0204	.0581	-.0035	-.0373	717.
.3330	-211.	-920.	-518.	-1914.	-187.	247.	-.0234	-.0150	.0199	.0585	-.0020	-.0408	778.
.3340	-242.	-822.	-422.	-2015.	-159.	282.	-.0197	-.0189	.0194	.0582	.0002	-.0433	819.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	989.
.3240	-295.	-223.	215.	-1555.	-700.	1246.	-.0291	-.0151	.0193	.0563	.0050	.0075	847.
.3250	-260.	-469.	84.	-1324.	-626.	1084.	-.0310	-.0125	.0195	.0549	.0015	.0015	731.
.3260	-218.	-743.	-14.	-1149.	-544.	917.	-.0325	-.0103	.0199	.0539	-.0009	-.0047	629.
.3270	-174.	-930.	-88.	-1061.	-465.	754.	-.0333	-.0087	.0204	.0534	-.0026	-.0108	555.
.3280	-124.	-990.	-167.	-1076.	-394.	598.	-.0334	-.0078	.0209	.0537	-.0037	-.0168	519.
.3290	-90.	-1020.	-275.	-1195.	-331.	452.	-.0328	-.0076	.0211	.0546	-.0043	-.0224	526.
.3300	-97.	-1077.	-400.	-1360.	-281.	335.	-.0315	-.0082	.0211	.0559	-.0044	-.0279	573.
.3310	-135.	-1103.	-501.	-1562.	-245.	262.	-.0295	-.0096	.0208	.0572	-.0042	-.0330	643.
.3320	-177.	-1037.	-545.	-1757.	-217.	236.	-.0267	-.0119	.0204	.0581	-.0035	-.0373	717.
.3330	-211.	-920.	-512.	-1914.	-187.	247.	-.0234	-.0150	.0199	.0585	-.0020	-.0408	778.
.3340	-242.	-822.	-422.	-2015.	-159.	282.	-.0197	-.0189	.0194	.0582	.0002	-.0433	819.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.3350	-266.	-731.	-267.	-2063.	-145.	335.	-.0157	-.0233	.0188	.0572	.0031	-.0448	841.
.3360	-288.	-617.	-77.	-2071.	-147.	405.	-.0117	-.0281	.0182	.0558	.0066	-.0453	849.
.3370	-317.	-500.	108.	-2058.	-164.	484.	-.0079	-.0331	.0175	.0542	.0105	-.0449	851.
.3380	-357.	-409.	251.	-2044.	-199.	562.	-.0044	-.0380	.0166	.0525	.0147	-.0437	854.
.3390	-403.	-335.	344.	-2046.	-245.	629.	-.0014	-.0426	.0156	.0509	.0193	-.0418	865.
.3400	-447.	-257.	404.	-2071.	-288.	679.	.0011	-.0469	.0146	.0491	.0243	-.0394	882.
.3410	-477.	-171.	448.	-2115.	-313.	708.	.0030	-.0507	.0137	.0471	.0297	-.0366	904.
.3420	-476.	-81.	480.	-2176.	-318.	713.	.0044	-.0538	.0130	.0449	.0356	-.0334	928.
.3430	-432.	18.	508.	-2255.	-306.	696.	.0053	-.0562	.0126	.0423	.0417	-.0300	955.
.3440	-351.	123.	541.	-2345.	-277.	660.	.0056	-.0578	.0126	.0394	.0479	-.0267	984.
.3450	-249.	219.	579.	-2436.	-239.	619.	.0056	-.0585	.0128	.0361	.0540	-.0239	1013.
.3460	-142.	289.	612.	-2518.	-205.	592.	.0051	-.0584	.0132	.0327	.0598	-.0217	1041.
.3470	-41.	338.	633.	-2580.	-183.	590.	.0044	-.0575	.0138	.0291	.0649	-.0204	1065.
.3480	49.	380.	642.	-2613.	-168.	616.	.0035	-.0560	.0144	.0253	.0693	-.0200	1079.
.3490	124.	409.	647.	-2604.	-148.	666.	.0027	-.0540	.0149	.0213	.0728	-.0207	1080.
.3500	174.	399.	652.	-2543.	-113.	737.	.0021	-.0517	.0153	.0172	.0754	-.0224	1063.
.3510	198.	344.	661.	-2429.	-62.	820.	.0020	-.0490	.0154	.0128	.0771	-.0251	1029.
.3520	203.	268.	669.	-2267.	5.	900.	.0024	-.0462	.0152	.0086	.0779	-.0285	979.
.3530	191.	179.	669.	-2063.	88.	960.	.0034	-.0434	.0145	.0045	.0775	-.0325	914.
.3540	153.	67.	658.	-1820.	175.	985.	.0049	-.0406	.0134	.0008	.0760	-.0369	833.
.3550	79.	-68.	636.	-1539.	248.	971.	.0069	-.0379	.0118	-.0024	.0734	-.0418	737.
.3560	-27.	-209.	604.	-1219.	291.	914.	.0091	-.0354	.0096	-.0052	.0696	-.0467	622.
.3570	-162.	-329.	565.	-863.	303.	813.	.0114	-.0331	.0070	-.0073	.0649	-.0516	491.
.3580	-316.	-418.	520.	-478.	289.	670.	.0137	-.0311	.0041	-.0088	.0596	-.0562	350.
.3590	-482.	-479.	470.	-75.	258.	488.	.0156	-.0294	.0011	-.0099	.0539	-.0604	224.
.3600	-649.	-528.	409.	329.	220.	279.	.0170	-.0278	-.0018	-.0103	.0479	-.0639	194.
.3610	-803.	-576.	326.	719.	188.	50.	.0178	-.0263	-.0045	-.0101	.0418	-.0665	299.
.3620	-926.	-621.	213.	1082.	169.	-195.	.0178	-.0249	-.0068	-.0093	.0356	-.0680	446.
.3630	-1002.	-650.	72.	1411.	158.	-452.	.0169	-.0234	-.0086	-.0079	.0292	-.0683	598.
.3640	-1022.	-651.	-81.	1711.	148.	-720.	.0151	-.0219	-.0097	-.0061	.0224	-.0674	747.
.3650	-986.	-635.	-226.	1996.	131.	-993.	.0123	-.0202	-.0102	-.0043	.0153	-.0653	896.
.3660	-895.	-616.	-347.	2280.	97.	-1262.	.0086	-.0183	-.0101	-.0026	.0080	-.0620	1046.
.3670	-752.	-596.	-436.	2571.	44.	-1522.	.0040	-.0162	-.0094	-.0013	.0005	-.0577	1199.
.3680	-567.	-557.	-489.	2862.	-23.	-1774.	-.0011	-.0138	-.0082	-.0005	-.0068	-.0524	1351.
.3690	-347.	-484.	-511.	3136.	-89.	-2018.	-.0066	-.0112	-.0068	-.0004	-.0139	-.0463	1497.
.3700	-108.	-396.	-526.	3373.	-138.	-2246.	-.0122	-.0084	-.0054	-.0009	-.0203	-.0398	1627.
.3710	124.	-329.	-550.	3558.	-161.	-2447.	-.0176	-.0054	-.0040	-.0018	-.0259	-.0331	1734.
.3720	327.	-292.	-620.	3684.	-150.	-2611.	-.0225	-.0023	-.0030	-.0032	-.0307	-.0265	1813.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.3610	-803.	-576.	-26.	719.	166.	-50.	.0176	-.0262	-.0045	-.0101	.0418	-.0685	299.
.3620	-926.	-621.	213.	1082.	169.	-195.	.0178	-.0249	-.0068	-.0093	.0356	-.0680	446.
.3630	-1002.	-650.	72.	1411.	158.	-452.	.0169	-.0234	-.0086	-.0079	.0292	-.0683	598.
.3640	-1022.	-651.	-81.	1711.	148.	-720.	.0151	-.0219	-.0097	-.0061	.0224	-.0674	747.
.3650	-984.	-635.	-226.	1996.	131.	-993.	.0123	-.0202	-.0102	-.0043	.0153	-.0653	896.
.3660	-895.	-616.	-347.	2280.	97.	-1262.	.0086	-.0183	-.0101	-.0026	.0080	-.0620	1046.
.3670	-752.	-596.	-436.	2571.	44.	-1522.	.0040	-.0162	-.0094	-.0013	.0005	-.0577	1199.
.3680	-567.	-557.	-489.	2862.	-23.	-1774.	-.0011	-.0138	-.0082	-.0005	-.0068	-.0524	1351.
.3690	-347.	-484.	-511.	3136.	-89.	-2018.	-.0066	-.0112	-.0068	-.0004	-.0139	-.0463	1497.
.3700	-108.	-396.	-526.	3373.	-138.	-2246.	-.0122	-.0084	-.0054	-.0009	-.0203	-.0398	1627.
.3710	124.	-329.	-556.	3558.	-161.	-2447.	-.0176	-.0054	-.0040	-.0018	-.0259	-.0331	1734.
.3720	327.	-292.	-620.	3684.	-150.	-2611.	-.0225	-.0023	-.0030	-.0032	-.0307	-.0265	1813.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 1 SEQUENCE 57 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.3730	495.	-248.	-708.	3752.	-102.	-2737.	-.0266	.0006	-.0023	-.0050	-.0349	-.0203	1864.
.3740	627.	-169.	-801.	3772.	-22.	-2827.	-.0296	.0033	-.0022	-.0073	-.0384	-.0148	1891.
.3750	714.	-94.	-878.	3767.	76.	-2879.	-.0314	.0057	-.0026	-.0103	-.0415	-.0103	1903.
.3760	748.	-75.	-923.	3761.	174.	-2895.	-.0318	.0076	-.0036	-.0139	-.0444	-.0068	1906.
.3770	739.	-100.	-926.	3763.	263.	-2878.	-.0308	.0089	-.0049	-.0181	-.0473	-.0044	1904.
.3780	705.	-121.	-881.	3768.	343.	-2842.	-.0285	.0096	-.0066	-.0227	-.0504	-.0030	1899.
.3790	656.	-125.	-792.	3762.	416.	-2795.	-.0250	.0094	-.0086	-.0275	-.0534	-.0024	1888.
.3800	591.	-134.	-676.	3731.	485.	-2734.	-.0206	.0084	-.0106	-.0324	-.0563	-.0027	1866.
.3810	515.	-131.	-542.	3659.	552.	-2654.	-.0154	.0067	-.0125	-.0370	-.0588	-.0036	1827.
.3820	428.	-132.	-412.	3538.	625.	-2551.	-.0099	.0044	-.0143	-.0412	-.0604	-.0049	1768.
.3830	335.	-145.	-299.	3366.	704.	-2430.	-.0044	.0015	-.0156	-.0447	-.0609	-.0064	1690.
.3840	252.	-132.	-196.	3144.	780.	-2300.	.0006	-.0018	-.0165	-.0477	-.0602	-.0077	1594.
.3850	184.	-99.	-98.	2880.	843.	-2167.	.0049	-.0054	-.0168	-.0499	-.0581	-.0085	1485.
.3860	127.	-96.	-12.	2590.	883.	-2034.	.0082	-.0091	-.0165	-.0513	-.0545	-.0088	1368.
.3870	85.	-108.	61.	2285.	892.	-1905.	.0103	-.0130	-.0155	-.0519	-.0492	-.0083	1246.
.3880	72.	-39.	133.	1967.	867.	-1790.	.0111	-.0169	-.0138	-.0515	-.0427	-.0069	1123.
.3890	96.	146.	214.	1635.	814.	-1695.	.0108	-.0207	-.0115	-.0503	-.0349	-.0046	1000.
.3900	144.	343.	295.	1299.	740.	-1618.	.0093	-.0240	-.0087	-.0482	-.0260	-.0014	884.
.3910	199.	448.	359.	974.	647.	-1553.	.0069	-.0265	-.0055	-.0452	-.0163	.0027	780.
.3920	267.	493.	406.	666.	543.	-1499.	.0038	-.0280	-.0020	-.0413	-.0060	.0076	693.
.3930	360.	568.	442.	381.	441.	-1454.	.0001	-.0287	.0015	-.0367	.0042	.0132	629.
.3940	468.	676.	467.	131.	350.	-1411.	-.0039	-.0284	.0049	-.0316	.0142	.0192	586.
.3950	554.	737.	475.	-63.	265.	-1349.	-.0080	-.0271	.0080	-.0262	.0237	.0252	552.
.3960	595.	730.	467.	-187.	182.	-1243.	-.0120	-.0249	.0107	-.0207	.0324	.0309	510.
.3970	589.	718.	453.	-241.	100.	-1087.	-.0158	-.0219	.0129	-.0152	.0401	.0360	449.
.3980	551.	739.	440.	-231.	25.	-893.	-.0192	-.0181	.0145	-.0100	.0467	.0406	370.
.3990	492.	765.	431.	-164.	-40.	-683.	-.0222	-.0136	.0155	-.0050	.0518	.0446	283.
.4000	415.	743.	425.	-52.	-94.	-472.	-.0245	-.0086	.0159	-.0006	.0556	.0480	194.

MAXIMUM VALUE OF STRESS OCCURS AT

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0620	-1285.	-2573.	585.	-9384.	-322.	3979.	.0209	.0011	.0497	.0808	.1453	-.0512	4092.

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

[illegible]	492.	[illegible]	[illegible]	-164.	-40.	-633.	-.0222	-.0132	.0155	-.0050	.0518	.0446	283.
.4000	415.	743.	425.	-52.	-94.	-472.	-.0245	-.0086	.0159	-.0006	.0556	.0480	194.

MAXIMUM VALUE OF STRESS OCCURS AT

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0620	-1285.	-2573.	585.	-9384.	-722.	3979.	.0209	.0011	.0497	.0808	.1453	-.0512	4092.

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
0.0000	0.	0.	0.	0.	0.	0.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.
.0010	-0.	-0.	-0.	0.	0.	0.	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	0.
.0020	-1.	-1.	-0.	3.	-0.	-2.	-.0000	-.0000	-.0000	-.0000	-.0000	.0000	1.
.0030	0.	1.	3.	14.	-1.	-13.	-.0000	-.0000	-.0000	-.0001	-.0001	.0001	8.
.0040	8.	12.	15.	43.	-4.	-49.	-.0000	-.0000	-.0000	-.0002	-.0001	.0002	26.
.0050	28.	37.	34.	92.	-11.	-124.	-.0000	-.0000	-.0001	-.0005	-.0002	.0006	62.
.0060	64.	73.	50.	155.	-21.	-241.	-.0001	-.0001	-.0002	-.0008	-.0002	.0012	115.
.0070	102.	110.	60.	236.	-33.	-378.	-.0003	-.0001	-.0004	-.0014	-.0004	.0019	179.
.0080	126.	140.	63.	333.	-46.	-526.	-.0007	-.0002	-.0007	-.0021	-.0007	.0028	251.
.0090	164.	174.	49.	421.	-65.	-741.	-.0012	-.0003	-.0011	-.0029	-.0009	.0042	343.
.0100	257.	244.	-0.	464.	-100.	-1038.	-.0020	-.0004	-.0016	-.0036	-.0003	.0063	477.
.0110	405.	351.	-87.	467.	-156.	-1539.	-.0031	-.0006	-.0022	-.0042	.0017	.0092	649.
.0120	552.	469.	-199.	485.	-233.	-1942.	-.0048	-.0008	-.0026	-.0049	.0053	.0122	809.
.0130	612.	557.	-301.	614.	-323.	-2091.	-.0070	-.0010	-.0029	-.0060	.0108	.0145	884.
.0140	526.	600.	-345.	925.	-411.	-1854.	-.0096	-.0013	-.0028	-.0079	.0178	.0154	848.
.0150	306.	617.	-326.	1373.	-482.	-1258.	-.0124	-.0016	-.0025	-.0104	.0256	.0148	772.
.0160	26.	603.	-312.	1773.	-517.	-443.	-.0146	-.0018	-.0022	-.0130	.0332	.0128	762.
.0170	-269.	490.	-389.	1889.	-501.	465.	-.0156	-.0020	-.0019	-.0144	.0396	.0097	806.
.0180	-558.	223.	-602.	1556.	-440.	1374.	-.0151	-.0021	-.0018	-.0139	.0441	.0054	852.
.0190	-810.	-150.	-893.	791.	-363.	2208.	-.0127	-.0021	-.0013	-.0109	.0473	-.0001	953.
.0200	-1038.	-538.	-1080.	-170.	-308.	2895.	-.0084	-.0019	.0001	-.0061	.0499	-.0067	1170.
.0210	-1136.	-804.	-979.	-1022.	-326.	3200.	-.0024	-.0015	.0030	-.0003	.0538	-.0131	1355.
.0220	-749.	-666.	-571.	-1507.	-496.	2752.	.0050	-.0010	.0075	.0060	.0636	-.0168	1275.
.0230	-156.	-145.	305.	-1143.	-776.	2049.	.0125	-.0006	.0134	.0100	.0761	-.0195	992.
.0240	18.	349.	1634.	257.	-1009.	2133.	.0191	-.0005	.0195	.0094	.0843	-.0248	953.
.0250	-456.	242.	2826.	1712.	-1066.	3186.	.0242	-.0004	.0240	.0065	.0826	-.0336	1513.
.0260	-825.	-435.	2897.	1395.	-982.	3850.	.0284	-.0001	.0250	.0089	.0746	-.0399	1690.
.0270	-297.	-890.	1621.	-1061.	-857.	3227.	.0320	.0008	.0230	.0190	.0708	-.0388	1406.
.0280	-154.	-1030.	554.	-3234.	-570.	3227.	.0343	.0021	.0201	.0266	.0643	-.0387	1848.
.0290	-1306.	-1436.	576.	-3821.	-35.	4804.	.0350	.0036	.0180	.0264	.0442	-.0452	2463.
.0300	-1292.	-1785.	13.	-5056.	453.	4552.	.0355	.0048	.0167	.0304	.0262	-.0440	2736.
.0310	274.	-2086.	-1170.	-6861.	769.	1929.	.0359	.0059	.0167	.0390	.0164	-.0322	2877.
.0320	1321.	-2439.	-1122.	-6455.	889.	-263.	.0340	.0069	.0193	.0402	.0048	-.0218	2617.
.0330	1375.	-2261.	484.	-3253.	713.	-982.	.0287	.0079	.0236	.0313	-.0080	-.0167	1393.
.0340	1474.	-1435.	2128.	448.	325.	-1413.	.0205	.0090	.0268	.0201	-.0160	-.0114	609.
.0350	1562.	-935.	2731.	2696.	36.	-1818.	.0106	.0101	.0259	.0114	-.0267	-.0056	1305.
.0360	1262.	-1229.	2076.	2853.	-15.	-1919.	-.0001	.0111	.0196	.0071	-.0464	-.0005	1380.
.0370	1129.	-1558.	207.	934.	94.	-2174.	-.0103	.0122	.0093	.0088	-.0538	.0065	950.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.0260	-323.	1479.	[illegible]	[illegible]	[illegible]	3090.	.0234	-.0001	.0230	.0089	.0748	-.0399	1690.
.0270	-297.	-890.	1621.	-1061.	-857.	3227.	.0320	.0008	.0230	.0190	.0708	-.0388	1406.
.0280	-154.	-1030.	554.	-3234.	-570.	3227.	.0343	.0021	.0201	.0266	.0643	-.0387	1848.
.0290	-1306.	-1436.	576.	-3821.	-35.	4804.	.0350	.0036	.0180	.0264	.0442	-.0452	2463.
.0300	-1292.	-1785.	13.	-5056.	457.	4552.	.0355	.0048	.0167	.0304	.0262	-.0440	2736.
.0310	274.	-2086.	-1170.	-6861.	769.	1929.	.0359	.0059	.0167	.0390	.0164	-.0322	2877.
.0320	1321.	-2439.	-1122.	-6455.	889.	-263.	.0340	.0069	.0193	.0402	.0048	-.0218	2617.
.0330	1375.	-2261.	484.	-3253.	713.	-982.	.0287	.0079	.0236	.0313	-.0080	-.0167	1393.
.0340	1474.	-1435.	2128.	448.	325.	-1413.	.0205	.0090	.0268	.0201	-.0160	-.0114	609.
.0350	1562.	-935.	2731.	2696.	36.	-1818.	.0106	.0101	.0259	.0114	-.0267	-.0056	1305.
.0360	1262.	-1229.	2076.	2853.	-15.	-1919.	-.0001	.0111	.0196	.0071	-.0464	-.0005	1380.
.0370	1129.	-1558.	207.	934.	94.	-2174.	-.0103	.0122	.0093	.0088	-.0638	.0065	950.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (pSI)
.0380	1034.	-1391.	-2005.	-1758.	400.	-2074.	-.0191	.0134	-.0020	.0121	-.0703	.0129	1103.
.0390	-101.	-1040.	-3037.	-3030.	1007.	-341.	-.0261	.0145	-.0111	.0085	-.0759	.0108	1289.
.0400	-1485.	-660.	-2722.	-2484.	1726.	1282.	-.0301	.0148	-.0167	-.0017	-.0891	.0053	1318.
.0410	-643.	-49.	-2898.	-2434.	2168.	-481.	-.0297	.0141	-.0200	-.0057	-.0947	.0123	1322.
.0420	1386.	235.	-3143.	-2065.	2200.	-4096.	-.0270	.0127	-.0211	-.0070	-.0935	.0271	2042.
.0430	1755.	159.	-2323.	-410.	1873.	-5072.	-.0257	.0115	-.0201	-.0103	-.0968	.0303	2176.
.0440	845.	898.	-413.	2623.	1141.	-3733.	-.0268	.0103	-.0179	-.0172	-.1025	.0232	1887.
.0450	441.	2264.	851.	4637.	263.	-2667.	-.0287	.0086	-.0164	-.0202	-.1002	.0174	2149.
.0460	447.	2700.	743.	4570.	-338.	-2063.	-.0303	.0065	-.0165	-.0170	-.0942	.0145	2017.
.0470	-34.	1921.	330.	3973.	-504.	-941.	-.0310	.0040	-.0173	-.0139	-.0955	.0106	1651.
.0480	-401.	1244.	53.	3312.	-306.	-126.	-.0301	.0013	-.0178	-.0122	-.0966	.0089	1336.
.0490	62.	1278.	-657.	1403.	168.	-526.	-.0275	-.0013	-.0172	-.0072	-.0829	.0122	605.
.0500	557.	1468.	-1337.	-983.	703.	-1110.	-.0247	-.0035	-.0150	-.0007	-.0585	.0148	659.
.0510	357.	1578.	-1357.	-2535.	997.	-656.	-.0230	-.0053	-.0110	.0046	-.0338	.0120	1124.
.0520	-107.	1772.	-996.	-3375.	912.	391.	-.0224	-.0070	-.0055	.0101	-.0100	.0067	1412.
.0530	-290.	1847.	-641.	-3984.	469.	969.	-.0221	-.0089	.0008	.0168	.0137	.0028	1656.
.0540	-132.	1710.	-31.	-3973.	-300.	709.	-.0218	-.0104	.0076	.0230	.0349	.0006	1624.
.0550	199.	1713.	1080.	-3060.	-1229.	-2.	-.0212	-.0112	.0147	.0265	.0528	-.0010	1323.
.0560	430.	1826.	2209.	-2050.	-1982.	-436.	-.0202	-.0114	.0211	.0281	.0691	-.0036	1158.
.0570	327.	1393.	2580.	-2062.	-2347.	5.	-.0187	-.0110	.0257	.0317	.0853	-.0082	1254.
.0580	-180.	128.	2088.	-3257.	-2307.	1509.	-.0164	-.0097	.0284	.0384	.1009	-.0158	1712.
.0590	-1014.	-1351.	1350.	-4957.	-1866.	3733.	-.0129	-.0074	.0298	.0452	.1152	-.0263	2601.
.0600	-1763.	-2225.	811.	-6686.	-1177.	5686.	-.0074	-.0047	.0310	.0506	.1283	-.0366	3554.
.0610	-1881.	-2433.	570.	-8050.	-578.	6275.	.0004	-.0020	.0321	.0556	.1390	-.0419	4102.
.0620	-1285.	-2573.	585.	-8727.	-322.	5425.	.0097	.0010	.0332	.0610	.1444	-.0409	4125.
.0630	-531.	-2950.	938.	-8469.	-406.	4149.	.0185	.0043	.0341	.0652	.1420	-.0376	3788.
.0640	-47.	-3087.	1723.	-7141.	-799.	3305.	.0250	.0075	.0347	.0661	.1329	-.0359	3174.
.0650	131.	-2561.	2895.	-4778.	-1460.	3108.	.0283	.0105	.0346	.0632	.1212	-.0363	2361.
.0660	-87.	-1800.	4068.	-2150.	-2122.	3664.	.0285	.0136	.0326	.0579	.1099	-.0381	1906.
.0670	-645.	-1373.	4573.	-594.	-2443.	4653.	.0269	.0166	.0278	.0537	.0990	-.0393	2123.
.0680	-929.	-1122.	3800.	-1202.	-2305.	5075.	.0247	.0190	.0199	.0545	.0898	-.0365	2288.
.0690	-663.	-724.	1974.	-3599.	-1730.	4601.	.0225	.0202	.0101	.0599	.0840	-.0295	2445.
.0700	-516.	-327.	186.	-6058.	-792.	4162.	.0199	.0204	.0005	.0638	.0796	-.0235	2967.
.0710	-760.	62.	-888.	-7402.	196.	4093.	.0165	.0197	-.0071	.0634	.0746	-.0204	3395.
.0720	-699.	770.	-1484.	-7723.	790.	3516.	.0123	.0177	-.0125	.0623	.0711	-.0168	3420.
.0730	-215.	1596.	-1700.	-6995.	848.	2332.	.0074	.0149	-.0159	.0610	.0665	-.0122	2978.
.0740	-73.	1931.	-1207.	-4762.	550.	1528.	.0016	.0115	-.0179	.0561	.0529	-.0113	2019.
.0750	-283.	1873.	-259.	-1581.	43.	1086.	-.0047	.0076	-.0194	.0483	.0286	-.0139	770.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.0640	-47.	-3087.	1723.	-7141.	-799.	3305.	.0250	.0075	.0347	.0661	.1329	-.0359	3174.
.0650	131.	-2561.	2895.	-4778.	-1460.	3108.	.0283	.0105	.0346	.0632	.1212	-.0363	2361.
.0660	-87.	-1800.	4068.	-2150.	-2122.	3664.	.0285	.0136	.0326	.0579	.1099	-.0381	1906.
.0670	-645.	-1373.	4573.	-594.	-2443.	4653.	.0269	.0166	.0278	.0537	.0990	-.0393	2123.
.0680	-929.	-1122.	3800.	-1202.	-2305.	5075.	.0247	.0190	.0199	.0545	.0898	-.0365	2288.
.0690	-603.	-724.	1974.	-3599.	-1730.	4601.	.0225	.0202	.0101	.0599	.0840	-.0295	2445.
.0700	-516.	-327.	186.	-6055.	-792.	4162.	.0199	.0204	.0005	.0638	.0796	-.0235	2967.
.0710	-760.	62.	-888.	-7402.	196.	4093.	.0165	.0197	-.0071	.0634	.0746	-.0204	3395.
.0720	-699.	770.	-1484.	-7723.	790.	3516.	.0123	.0177	-.0125	.0623	.0711	-.0168	3420.
.0730	-215.	1596.	-1700.	-6995.	848.	2332.	.0074	.0149	-.0159	.0610	.0665	-.0122	2978.
.0740	-73.	1931.	-1207.	-4762.	550.	1528.	.0016	.0115	-.0179	.0561	.0529	-.0113	2019.
.0750	-283.	1873.	-259.	-1581.	43.	1066.	-.0047	.0076	-.0194	.0483	.0286	-.0139	770.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0760	-114.	1954.	310.	1005.	-536.	30.	-.0100	.0031	-.0219	.0426	.0006	-.0148	457.
.0770	408.	2041.	144.	2142.	-900.	-1605.	-.0138	-.0015	-.0258	.0408	-.0256	-.0128	1133.
.0780	678.	1697.	-526.	2031.	-834.	-2928.	-.0161	-.0058	-.0306	.0409	-.0479	-.0108	1468.
.0790	702.	1182.	-1514.	1032.	-388.	-3697.	-.0173	-.0097	-.0352	.0420	-.0522	-.0097	1548.
.0800	707.	1006.	-2562.	-330.	297.	-4028.	-.0178	-.0132	-.0383	.0429	-.0652	-.0091	1626.
.0810	419.	1045.	-3118.	-1141.	1091.	-3668.	-.0179	-.0161	-.0393	.0407	-.0509	-.0103	1602.
.0820	-124.	987.	-3033.	-1072.	1739.	-2933.	-.0174	-.0181	-.0383	.0359	-.0552	-.0121	1434.
.0830	-256.	958.	-2776.	-728.	1969.	-2848.	-.0160	-.0192	-.0364	.0324	-.0492	-.0107	1420.
.0840	92.	1071.	-2547.	-415.	1781.	-3461.	-.0139	-.0195	-.0342	.0311	-.0452	-.0062	1571.
.0850	203.	1070.	-2081.	208.	1374.	-3674.	-.0115	-.0188	-.0317	.0292	-.0488	-.0038	1576.
.0860	-87.	797.	-1495.	954.	909.	-3080.	-.0087	-.0170	-.0289	.0274	-.0593	-.0053	1344.
.0870	-280.	361.	-1247.	1087.	534.	-2274.	-.0049	-.0144	-.0256	.0284	-.0693	-.0076	1034.
.0880	-256.	-197.	-1275.	604.	435.	-1565.	.0005	-.0110	-.0209	.0313	-.0749	-.0092	696.
.0890	-193.	-893.	-1087.	271.	673.	-944.	.0072	-.0072	-.0142	.0328	-.0769	-.0106	478.
.0900	115.	-1584.	-550.	468.	1115.	-820.	.0147	-.0031	-.0058	.0317	-.0753	-.0102	586.
.0910	865.	-2139.	106.	1052.	1566.	-1491.	.0215	.0011	.0034	.0287	-.0694	-.0064	965.
.0920	1671.	-2620.	755.	1956.	1824.	-2366.	.0259	.0052	.0117	.0240	-.0617	-.0011	1433.
.0930	1984.	-3100.	1351.	3174.	1714.	-2536.	.0262	.0093	.0177	.0177	-.0549	.0025	1769.
.0940	1644.	-3490.	1733.	4395.	1224.	-1686.	.0220	.0134	.0203	.0110	-.0486	.0032	1952.
.0950	869.	-3631.	1773.	5246.	544.	-219.	.0145	.0175	.0195	.0041	-.0416	.0021	2118.
.0960	57.	-3422.	1498.	5616.	-98.	1131.	.0057	.0213	.0159	-.0030	-.0338	.0017	2299.
.0970	-432.	-2979.	1019.	5648.	-526.	1752.	-.0022	.0249	.0105	-.0104	-.0252	.0044	2382.
.0980	-527.	-2535.	498.	5605.	-620.	1532.	-.0080	.0286	.0044	-.0189	-.0143	.0103	2345.
.0990	-400.	-2087.	138.	5796.	-400.	802.	-.0115	.0324	-.0018	-.0294	-.0009	.0177	2354.
.1000	-266.	-1399.	49.	6384.	-62.	64.	-.0135	.0365	-.0080	-.0415	.0136	.0240	2562.
.1010	-366.	-496.	110.	7185.	190.	-151.	-.0149	.0408	-.0150	-.0536	.0261	.0267	2885.
.1020	-899.	231.	48.	7757.	270.	471.	-.0161	.0454	-.0236	-.0633	.0332	.0247	3120.
.1030	-1734.	610.	-358.	7697.	146.	1641.	-.0167	.0495	-.0337	-.0687	.0321	.0191	3159.
.1040	-2431.	921.	-1107.	6865.	-151.	2619.	-.0158	.0524	-.0444	-.0686	.0230	.0122	2949.
.1050	-2724.	1209.	-1947.	5544.	-464.	2932.	-.0126	.0538	-.0537	-.0642	.0091	.0058	2523.
.1060	-2636.	1284.	-2503.	4309.	-632.	2631.	-.0069	.0536	-.0593	-.0579	-.0050	.0000	2042.
.1070	-2190.	1274.	-2487.	3738.	-639.	1912.	.0008	.0517	-.0597	-.0519	-.0150	-.0052	1704.
.1080	-1568.	1555.	-1755.	4060.	-530.	1094.	.0092	.0482	-.0551	-.0475	-.0204	-.0106	1701.
.1090	-910.	1954.	-657.	4661.	-369.	194.	.0170	.0435	-.0468	-.0435	-.0210	-.0156	1878.
.1100	-0.	1478.	-20.	4758.	-350.	-900.	.0228	.0387	-.0372	-.0370	-.0081	-.0175	1948.
.1110	278.	1154.	801.	5070.	-516.	-1148.	.0253	.0330	-.0283	-.0328	.0055	-.0211	2096.
.1120	-51.	2276.	1748.	5247.	-786.	-579.	.0247	.0256	-.0217	-.0314	.0112	-.0269	2142.
.1130	-297.	3289.	1425.	3412.	-1031.	-231.	.0222	.0180	-.0191	-.0253	.0160	-.0293	1435.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.1020	-894.	231.	46.	7737.	270.	471.	-.0161	.0454	-.0236	-.0633	.0337	.0247	3120.
.1030	-1734.	610.	-358.	7697.	146.	1641.	-.0167	.0495	-.0337	-.0687	.0321	.0191	3159.
.1040	-2431.	921.	-1107.	6865.	-151.	2619.	-.0158	.0524	-.0444	-.0686	.0230	.0122	2949.
.1050	-2724.	1209.	-1947.	5544.	-464.	2932.	-.0126	.0538	-.0537	-.0642	.0091	.0058	2523.
.1060	-2636.	1284.	-2503.	4309.	-632.	2631.	-.0069	.0536	-.0593	-.0579	-.0050	.0000	2042.
.1070	-2190.	1274.	-2487.	3778.	-639.	1912.	.0008	.0517	-.0597	-.0519	-.0150	-.0052	1704.
.1080	-1568.	1555.	-1755.	4066.	-[illegible].	1094.	.0092	.0482	-.0551	-.0475	-.0204	-.0106	1701.
.1090	-910.	1954.	-657.	4661.	-369.	194.	.0170	.0435	-.0468	-.0435	-.0210	-.0156	1878.
.1100	-0.	1478.	-20.	4758.	-350.	-900.	.0228	.0387	-.0372	-.0370	-.0081	-.0175	1948.
.1110	278.	1154.	801.	5070.	-516.	-1148.	.0253	.0330	-.0283	-.0328	.0055	-.0211	2096.
.1120	-91.	2276.	1748.	5247.	-786.	-579.	.0247	.0256	-.0217	-.0314	.0112	-.0269	2142.
.1130	-297.	3289.	1425.	3412.	-1031.	-231.	.0222	.0180	-.0191	-.0253	.0160	-.0293	1435.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1140	-357.	2641.	-410.	-624.	-1165.	-282.	.0189	.0121	-.0193	-.0127	.0235	-.0276	542.
.1150	-701.	1545.	-2229.	-4768.	-1160.	37.	.0160	.0082	-.0193	-.0008	.0303	-.0261	1969.
.1160	-953.	1947.	-2941.	-7447.	-983.	534.	.0147	.0056	-.0161	.0048	.0387	-.0242	3022.
.1170	-852.	2793.	-2712.	-8548.	-604.	650.	.0158	.0046	-.0085	.0047	.0505	-.0206	3449.
.1180	-216.	2145.	-2236.	-8424.	-198.	221.	.0193	.0061	.0024	.0020	.0647	-.0139	3382.
.1190	-34.	491.	-883.	-6357.	172.	350.	.0241	.0090	.0150	-.0076	.0632	-.0098	2556.
.1200	232.	-166.	900.	-3466.	399.	302.	.0297	.0121	.0265	-.0210	.0453	-.0051	1405.
.1210	1534.	-80.	1596.	-2018.	322.	-1137.	.0355	.0162	.0341	-.0286	.0261	.0070	939.
.1220	2210.	-1246.	1549.	-1605.	25.	-1879.	.0395	.0229	.0373	-.0331	.0037	.0178	992.
.1230	1906.	-2595.	1383.	-1406.	-388.	-1055.	.0411	.0312	.0375	-.0387	-.0187	.0239	722.
.1240	1072.	-2581.	1471.	-1054.	-628.	836.	.0412	.0393	.0365	-.0481	-.0378	.0266	596.
.1250	466.	-2116.	1380.	-999.	-481.	2497.	.0413	.0468	.0357	-.0587	-.0477	.0310	1096.
.1260	509.	-2550.	928.	-1186.	11.	3085.	.0423	.0540	.0356	-.0691	-.0466	.0402	1326.
.1270	351.	-3352.	1212.	-364.	777.	3332.	.0438	.0600	.0368	-.0846	-.0480	.0492	1381.
.1280	958.	-2506.	1796.	678.	1480.	2106.	.0453	.0636	.0381	-.1007	-.0476	.0625	1068.
.1290	2113.	-843.	1992.	1110.	1875.	-152.	.0451	.0651	.0379	-.1125	-.0446	.0784	876.
.1300	2620.	-249.	1753.	1227.	1840.	-1531.	.0409	.0655	.0353	-.1203	-.0454	.0892	1079.
.1310	2373.	-134.	1322.	1600.	1343.	-1386.	.0324	.0643	.0311	-.1264	-.0517	.0923	1006.
.1320	1307.	450.	1288.	2807.	654.	191.	.0207	.0606	.0262	-.1347	-.0569	.0869	1159.
.1330	588.	1236.	1129.	4030.	0.	1273.	.0090	.0547	.0216	-.1415	-.0800	.0810	1696.
.1340	352.	1074.	827.	5025.	-373.	1236.	-.0005	.0475	.0179	-.1459	-.0871	.0775	2082.
.1350	519.	604.	662.	5864.	-366.	183.	-.0067	.0391	.0154	-.1493	-.0896	.0757	2359.
.1360	1361.	1209.	413.	6175.	-62.	-1792.	-.0097	.0288	.0136	-.1503	-.0851	.0759	2580.
.1370	1705.	1893.	210.	6258.	495.	-2910.	-.0111	.0176	.0116	-.1507	-.0802	.0709	2777.
.1380	1343.	1653.	-216.	6034.	1028.	-2676.	-.0120	.0071	.0085	-.1489	-.0749	.0594	2681.
.1390	298.	968.	-576.	5750.	1292.	-1358.	-.0125	-.0021	.0038	-.1461	-.0749	.0426	2427.
.1400	-640.	1070.	-833.	5209.	1177.	-375.	-.0117	-.0105	-.0024	-.1415	-.0811	.0262	2148.
.1410	-618.	1829.	-1357.	4045.	769.	-923.	-.0081	-.0177	-.0096	-.1328	-.0873	.0163	1693.
.1420	-665.	1729.	-1584.	3164.	386.	-1654.	-.0023	-.0227	-.0161	-.1245	-.0984	.0078	1441.
.1430	-752.	1177.	-1461.	2667.	129.	-2258.	.0053	-.0256	-.0205	-.1177	-.1104	-.0002	1403.
.1440	-693.	1168.	-1097.	2171.	67.	-2781.	.0142	-.0269	-.0220	-.1116	-.1180	-.0070	1416.
.1450	-465.	1502.	-763.	1250.	261.	-3152.	.0235	-.0263	-.0208	-.1041	-.1157	-.0118	1365.
.1460	-187.	1449.	-604.	-69.	648.	-3135.	.0322	-.0229	-.0173	-.0949	-.1029	-.0148	1285.
.1470	-495.	859.	-193.	-1142.	1149.	-2136.	.0391	-.0173	-.0119	-.0872	-.0921	-.0193	1076.
.1480	-397.	650.	-41.	-2519.	1550.	-1522.	.0443	-.0104	-.0059	-.0784	-.0828	-.0200	1335.
.1490	154.	403.	-231.	-4170.	1800.	-1532.	.0474	-.0023	.0004	-.0678	-.0761	-.0163	1923.
.1500	571.	-598.	-372.	-5422.	1839.	-1469.	.0479	.0072	.0070	-.0576	-.0732	-.0112	2372.
.1510	1046.	-1545.	-319.	-6023.	1516.	-1374.	.0454	.0173	.0143	-.0481	-.0689	-.0048	2553.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.1410	-613.	1829.	-1357.	4045.	769.	-923.	-.0081	-.0177	-.0096	-.1328	-.0873	.0163	1693.
.1420	-665.	1729.	-1584.	3164.	306.	-1654.	-.0023	-.0227	-.0161	-.1245	-.0984	.0078	1441.
.1430	-752.	1177.	-1461.	2667.	129.	-2258.	.0053	-.0256	-.0205	-.1177	-.1104	-.0002	1403.
.1440	-693.	1168.	-1097.	2171.	67.	-2701.	.0142	-.0269	-.0220	-.1116	-.1180	-.0070	1416.
.1450	-465.	1502.	-763.	1250.	261.	-2152.	.0275	-.0262	-.0208	-.1041	-.1157	-.0118	1365.
.1460	-187.	1449.	-604.	-69.	648.	-2135.	.0322	-.0229	-.0173	-.0949	-.1029	-.0148	1285.
.1470	-495.	859.	-193.	-1142.	1149.	-2136.	.0391	-.0173	-.0119	-.0872	-.0921	-.0193	1076.
.1480	-397.	650.	-41.	-2519.	1550.	-1522.	.0443	-.0104	-.0059	-.0784	-.0828	-.0200	1335.
.1490	154.	403.	-231.	-4170.	1800.	-1532.	.0474	-.0023	.0004	-.0678	-.0761	-.0163	1923.
.1500	571.	-598.	-272.	-5422.	1039.	-1469.	.0479	.0072	.0070	-.0576	-.0732	-.0112	2372.
.1510	1046.	-3545.	-319.	-6023.	1516.	-1374.	.0454	.0172	.0143	-.0481	-.0689	-.0046	2553.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1520	1257.	-1739.	272.	-5690.	963.	-806.	.0403	.0271	.0227	-.0418	-.0529	.0003	2338.
.1530	1429.	-1368.	1065.	-4895.	404.	-48.	.0336	.0362	.0316	-.0373	-.0505	.0049	1971.
.1540	1243.	-1416.	1922.	-3963.	68.	1008.	.0262	.0445	.0400	-.0344	-.0349	.0082	1641.
.1550	1142.	-1619.	2456.	-3654.	-51.	1539.	.0194	.0516	.0466	-.0303	-.0169	.0136	1591.
.1560	1904.	-1003.	2258.	-4559.	-81.	598.	.0136	.0567	.0505	-.0224	.0078	.0254	1845.
.1570	2373.	-220.	1982.	-5680.	24.	-305.	.0079	.0599	.0516	-.0150	.0307	.0368	2283.
.1580	2358.	192.	1583.	-6709.	114.	-580.	.0014	.0614	.0500	-.0078	.0522	.0450	2703.
.1590	2121.	514.	940.	-7603.	8.	-282.	-.0063	.0607	.0464	-.0001	.0727	.0501	3053.
.1600	1322.	932.	529.	-7741.	-267.	989.	-.0148	.0574	.0416	.0056	.0864	.0499	3134.
.1610	253.	1366.	461.	-7044.	-623.	2678.	-.0228	.0519	.0366	.0099	.0934	.0463	3034.
.1620	-168.	1682.	312.	-6143.	-1039.	3419.	-.0286	.0447	.0318	.0162	.0998	.0453	2852.
.1630	-377.	1594.	424.	-4823.	-1345.	3480.	-.0318	.0363	.0278	.0217	.1009	.0445	2447.
.1640	-223.	1649.	725.	-3286.	-1529.	2786.	-.0324	.0268	.0246	.0266	.0980	.0443	1834.
.1650	282.	1945.	978.	-1808.	-1602.	1641.	-.0315	.0167	.0218	.0316	.0946	.0442	1172.
.1660	255.	1738.	1289.	-277.	-1506.	1253.	-.0303	.0068	.0188	.0353	.0877	.0397	794.
.1670	4.	1342.	1291.	776.	-1377.	1331.	-.0299	-.0024	.0150	.0392	.0815	.0326	829.
.1680	-442.	1226.	1108.	1320.	-1292.	1708.	-.0305	-.0106	.0102	.0429	.0747	.0236	1010.
.1690	-732.	1485.	657.	1247.	-1264.	1861.	-.0318	-.0172	.0045	.0474	.0695	.0151	1032.
.1700	-1065.	1465.	60.	804.	-1193.	1932.	-.0337	-.0217	-.0014	.0514	.0647	.0067	967.
.1710	-1675.	947.	-408.	329.	-1043.	2155.	-.0360	-.0240	-.0065	.0538	.0574	-.0026	970.
.1720	-1558.	878.	-1056.	-534.	-964.	1494.	-.0379	-.0243	-.0100	.0574	.0557	-.0079	745.
.1730	-1409.	997.	-1340.	-1068.	-840.	854.	-.0396	-.0225	-.0112	.0593	.0553	-.0132	644.
.1740	-1461.	896.	-1229.	-1092.	-640.	637.	-.0413	-.0186	-.0100	.0589	.0563	-.0196	568.
.1750	-1420.	672.	-1012.	-904.	-464.	567.	-.0427	-.0128	-.0071	.0582	.0589	-.0253	467.
.1760	-1519.	366.	-621.	-530.	-310.	809.	-.0437	-.0056	-.0033	.0569	.0566	-.0313	408.
.1770	-1312.	115.	-459.	-507.	-180.	729.	-.0438	.0025	.0004	.0571	.0509	-.0345	364.
.1780	-1093.	-486.	-477.	-811.	-2.	548.	-.0428	.0112	.0033	.0587	.0390	-.0360	393.
.1790	-618.	-1155.	-756.	-1476.	141.	69.	-.0409	.0201	.0055	.0622	.0244	-.0346	596.
.1800	-95.	-1602.	-1004.	-2037.	231.	-328.	-.0385	.0285	.0075	.0659	.0081	-.0319	833.
.1810	-110.	-2094.	-798.	-1923.	369.	32.	-.0359	.0362	.0098	.0669	-.0114	-.0313	786.
.1820	134.	-2445.	-624.	-1675.	492.	159.	-.0329	.0426	.0123	.0685	-.0257	-.0281	704.
.1830	493.	-2716.	-363.	-1186.	611.	68.	-.0298	.0476	.0148	.0698	-.0362	-.0232	536.
.1840	827.	-2724.	83.	-333.	705.	-134.	-.0271	.0506	.0167	.0696	-.0452	-.0175	317.
.1850	1117.	-2470.	564.	696.	748.	-430.	-.0252	.0515	.0175	.0685	-.0525	-.0111	445.
.1860	1157.	-2293.	913.	1602.	751.	-605.	-.0247	.0506	.0161	.0674	-.0587	-.0054	750.
.1870	1274.	-2026.	753.	1847.	660.	-957.	-.0256	.0479	.0124	.0686	-.0603	.0009	876.
.1880	1003.	-1715.	382.	1738.	536.	-860.	-.0284	.0436	.0067	.0703	-.0612	.0045	807.
.1890	492.	-1292.	-154.	1374.	414.	-402.	-.0324	.0378	-.0001	.0725	-.0601	.0055	598.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.1780	-1053.	-1226.	-677.	-1411.	-9.	542.	-.0426	.0112	.0035	.0587	.0390	-.0360	593.
.1790	-618.	-1155.	-736.	-1476.	141.	69.	-.0409	.0201	.0055	.0622	.0244	-.0346	596.
.1800	-95.	-1602.	-1004.	-2077.	221.	-328.	-.0385	.0285	.0075	.0659	.0081	-.0319	833.
.1810	-110.	-2094.	-798.	-1923.	369.	32.	-.0359	.0362	.0098	.0669	-.0114	-.0313	786.
.1820	134.	-2445.	-624.	-1675.	491.	159.	-.0329	.0426	.0123	.0685	-.0257	-.0281	704.
.1830	493.	-2716.	-363.	-1106.	611.	68.	-.0298	.0476	.0148	.0698	-.0362	-.0232	536.
.1840	827.	-2724.	62.	-332.	705.	-134.	-.0271	.0506	.0167	.0696	-.0452	-.0175	317.
.1850	1117.	-2470.	564.	696.	748.	-430.	-.0252	.0515	.0175	.0685	-.0525	-.0111	445.
.1860	1157.	-2293.	913.	1602.	751.	-605.	-.0247	.0506	.0161	.0674	-.0587	-.0054	750.
.1870	1274.	-2026.	757.	1847.	660.	-957.	-.0256	.0479	.0124	.0686	-.0503	.0009	876.
.1880	1003.	-1715.	342.	1738.	536.	-860.	-.0284	.0436	.0067	.0703	-.0412	.0045	807.
.1890	492.	-1292.	-154.	1274.	414.	-402.	-.0324	.0378	-.0001	.0725	-.0301	.0055	598.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1900	-5.	-905.	-825.	840.	345.	75.	-.0370	.0309	-.0069	.0757	-.0549	.0050	366.
.1910	-622.	-780.	-1304.	511.	392.	541.	-.0415	.0231	-.0127	.0782	-.0488	.0025	337.
.1920	-801.	-529.	-1671.	272.	452.	251.	-.0451	.0147	-.0167	.0813	-.0400	.0012	235.
.1930	-546.	-121.	-1849.	246.	464.	-747.	-.0481	.0061	-.0189	.0847	-.0295	.0010	366.
.1940	-227.	169.	-1769.	600.	410.	-1815.	-.0510	-.0022	-.0193	.0876	-.0187	.0002	784.
.1950	-57.	275.	-1544.	1209.	249.	-2469.	-.0545	-.0096	-.0185	.0900	-.0078	-.0027	1108.
.1960	-76.	366.	-1326.	1805.	-52.	-2550.	-.0589	-.0160	-.0171	.0922	.0035	-.0078	1254.
.1970	-313.	469.	-1188.	2173.	-422.	-2077.	-.0638	-.0211	-.0157	.0943	.0152	-.0147	1218.
.1980	-670.	510.	-1180.	2140.	-740.	-1297.	-.0684	-.0246	-.0145	.0963	.0285	-.0219	1047.
.1990	-945.	562.	-1319.	1633.	-928.	-571.	-.0714	-.0265	-.0134	.0981	.0437	-.0280	788.
.2000	-1072.	707.	-1503.	778.	-957.	-44.	-.0723	-.0269	-.0121	.0991	.0599	-.0324	495.
.2010	-1114.	848.	-1628.	-234.	-823.	339.	-.0708	-.0258	-.0103	.0987	.0758	-.0358	369.
.2020	-1076.	881.	-1672.	-1260.	-590.	619.	-.0671	-.0231	-.0081	.0971	.0915	-.0385	611.
.2030	-1007.	861.	-1559.	-2062.	-385.	920.	-.0617	-.0190	-.0053	.0944	.1062	-.0409	919.
.2040	-1061.	878.	-1144.	-2354.	-312.	1459.	-.0553	-.0138	-.0023	.0898	.1173	-.0442	1118.
.2050	-1238.	878.	-491.	-2166.	-398.	2190.	-.0484	-.0077	.0008	.0837	.1231	-.0481	1246.
.2060	-1355.	713.	129.	-1846.	-607.	2806.	-.0412	-.0012	.0034	.0777	.1240	-.0513	1370.
.2070	-1341.	342.	571.	-1622.	-864.	3168.	-.0340	.0054	.0054	.0726	.1208	-.0530	1470.
.2080	-1310.	-123.	916.	-1445.	-1090.	3440.	-.0270	.0118	.0071	.0679	.1145	-.0537	1560.
.2090	-1314.	-574.	1217.	-1295.	-1216.	3742.	-.0207	.0177	.0088	.0633	.1078	-.0537	1662.
.2100	-1299.	-993.	1403.	-1290.	-1201.	4033.	-.0153	.0232	.0106	.0595	.1038	-.0525	1766.
.2110	-1272.	-1395.	1453.	-1469.	-1046.	4301.	-.0111	.0279	.0127	.0567	.1025	-.0503	1871.
.2120	-1245.	-1731.	1409.	-1758.	-812.	4524.	-.0084	.0317	.0148	.0546	.1024	-.0471	1975.
.2130	-1166.	-1964.	1297.	-2075.	-595.	4582.	-.0073	.0343	.0167	.0534	.1020	-.0426	2033.
.2140	-998.	-2093.	1141.	-2345.	-468.	4372.	-.0075	.0358	.0182	.0529	.1003	-.0366	2000.
.2150	-754.	-2066.	983.	-2510.	-467.	3891.	-.0092	.0361	.0191	.0529	.0965	-.0295	1867.
.2160	-463.	-1323.	830.	-2575.	-594.	3235.	-.0120	.0353	.0193	.0530	.0903	-.0220	1676.
.2170	-192.	-1461.	648.	-2584.	-795.	2598.	-.0155	.0335	.0190	.0530	.0825	-.0151	1505.
.2180	-46.	-1160.	447.	-2535.	-964.	2186.	-.0191	.0309	.0182	.0525	.0740	-.0098	1398.
.2190	-27.	-930.	269.	-2423.	-1008.	1991.	-.0223	.0278	.0172	.0508	.0654	-.0061	1322.
.2200	12.	-636.	109.	-2327.	-897.	1755.	-.0241	.0242	.0159	.0479	.0573	-.0035	1224.
.2210	168.	-270.	-77.	-2342.	-647.	1273.	-.0242	.0202	.0142	.0439	.0493	-.0013	1101.
.2220	389.	36.	-307.	-2459.	-302.	598.	-.0227	.0160	.0119	.0389	.0407	.0002	1023.
.2230	563.	240.	-549.	-2564.	55.	-56.	-.0200	.0120	.0088	.0327	.0303	.0004	1029.
.2240	598.	413.	-735.	-2509.	331.	-482.	-.0168	.0081	.0052	.0249	.0178	-.0015	1034.
.2250	450.	587.	-811.	-2201.	474.	-600.	-.0134	.0048	.0010	.0153	.0031	-.0056	935.
.2260	174.	737.	-778.	-1667.	495.	-506.	-.0099	.0021	-.0033	.0041	-.0127	-.0112	727.
.2270	-115.	862.	-671.	-1004.	452.	-394.	-.0064	.0001	-.0075	-.0084	-.0286	-.0170	469.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.2160	-407.	-1323.	738.	-2575.	-904.	3235.	-.0120	.0355	.0193	.0530	.0903	-.0220	1676.
.2170	-192.	-1461.	648.	-2584.	-795.	2598.	-.0155	.0335	.0190	.0530	.0825	-.0151	1505.
.2180	-46.	-1160.	447.	-2535.	-964.	2186.	-.0191	.0309	.0182	.0525	.0740	-.0098	1398.
.2190	-27.	-930.	269.	-2423.	-1008.	1991.	-.0223	.0278	.0172	.0508	.0654	-.0061	1322.
.2200	12.	-636.	109.	-2327.	-897.	1755.	-.0241	.0242	.0159	.0479	.0573	-.0035	1224.
.2210	168.	-270.	-77.	-2342.	-647.	1273.	-.0242	.0202	.0142	.0439	.0493	-.0013	1101.
.2220	389.	36.	-307.	-2459.	-302.	599.	-.0227	.0160	.0119	.0389	.0407	.0002	1023.
.2230	563.	240.	-549.	-2564.	55.	-56.	-.0200	.0120	.0088	.0327	.0303	.0004	1029.
.2240	592.	413.	-735.	-2509.	331.	-482.	-.0168	.0081	.0052	.0249	.0178	-.0015	1034.
.2250	450.	587.	-811.	-2201.	474.	-600.	-.0134	.0040	.0010	.0153	.0031	-.0056	935.
.2260	174.	737.	-778.	-1667.	495.	-506.	-.0099	.0021	-.0033	.0041	-.0127	-.0112	727.
.2270	-115.	862.	-671.	-1004.	452.	-394.	-.0064	.0001	-.0075	-.0084	-.0286	-.0170	469.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2280	-338.	974.	-525.	-330.	418.	-407.	-.0027	-.0011	-.0112	-.0219	-.0439	-.0219	269.
.2290	-454.	1051.	-400.	202.	459.	-607.	.0011	-.0015	-.0141	-.0358	-.0580	-.0253	316.
.2300	-440.	1077.	-367.	455.	603.	-985.	.0047	-.0012	-.0160	-.0496	-.0695	-.0269	428.
.2310	-356.	1079.	-433.	413.	826.	-1385.	.0077	-.0001	-.0169	-.0628	-.0777	-.0269	668.
.2320	-317.	1082.	-536.	187.	1065.	-1587.	.0095	.0016	-.0165	-.0753	-.0830	-.0260	771.
.2330	-352.	1062.	-644.	-128.	1244.	-1516.	.0098	.0039	-.0147	-.0868	-.0861	-.0244	789.
.2340	-384.	972.	-751.	-468.	1313.	-1291.	.0087	.0067	-.0116	-.0969	-.0878	-.0220	762.
.2350	-342.	812.	-791.	-718.	1266.	-1056.	.0067	.0098	-.0069	-.1056	-.0887	-.0184	721.
.2360	-192.	625.	-681.	-767.	1116.	-913.	.0042	.0131	-.0006	-.1131	-.0895	-.0136	655.
.2370	99.	433.	-410.	-619.	894.	-924.	.0018	.0165	.0072	-.1192	-.0895	-.0076	573.
.2380	504.	209.	-23.	-357.	649.	-1049.	-.0001	.0198	.0161	-.1237	-.0877	-.0009	515.
.2390	929.	-35.	446.	-51.	433.	-1156.	-.0014	.0229	.0256	-.1265	-.0836	.0060	496.
.2400	1304.	-218.	948.	220.	268.	-1152.	-.0020	.0256	.0350	-.1278	-.0775	.0122	483.
.2410	1610.	-311.	1404.	358.	148.	-1045.	-.0018	.0279	.0434	-.1275	-.0694	.0179	447.
.2420	1830.	-372.	1753.	315.	53.	-880.	-.0009	.0296	.0503	-.1255	-.0599	.0230	376.
.2430	1963.	-433.	1968.	100.	-41.	-711.	.0006	.0308	.0550	-.1218	-.0495	.0278	289.
.2440	2026.	-434.	2038.	-258.	-161.	-559.	.0025	.0314	.0574	-.1167	-.0384	.0322	256.
.2450	1993.	-340.	2010.	-641.	-309.	-349.	.0046	.0313	.0576	-.1104	-.0272	.0359	318.
.2460	1804.	-216.	1968.	-868.	-468.	33.	.0069	.0304	.0560	-.1039	-.0162	.0382	396.
.2470	1494.	-111.	1978.	-798.	-616.	525.	.0092	.0289	.0530	-.0979	-.0059	.0393	456.
.2480	1200.	-17.	2004.	-478.	-744.	915.	.0119	.0268	.0488	-.0922	.0039	.0401	511.
.2490	984.	68.	1979.	-47.	-842.	1117.	.0148	.0241	.0437	-.0867	.0132	.0409	562.
.2500	773.	153.	1908.	444.	-895.	1255.	.0179	.0209	.0376	-.0815	.0210	.0412	644.
.2510	495.	246.	1793.	951.	-898.	1457.	.0210	.0174	.0308	-.0770	.0267	.0402	786.
.2520	169.	322.	1591.	1367.	-863.	1705.	.0239	.0136	.0233	-.0729	.0300	.0381	943.
.2530	-145.	368.	1273.	1598.	-811.	1890.	.0267	.0098	.0153	-.0692	.0309	.0353	1045.
.2540	-391.	431.	881.	1665.	-757.	1913.	.0295	.0061	.0072	-.0659	.0296	.0323	1062.
.2550	-552.	547.	504.	1676.	-704.	1761.	.0323	.0026	-.0004	-.0636	.0265	.0290	1016.
.2560	-652.	702.	226.	1747.	-648.	1496.	.0351	-.0006	-.0072	-.0625	.0220	.0253	959.
.2570	-708.	889.	81.	1923.	-584.	1171.	.0379	-.0034	-.0128	-.0630	.0165	.0212	934.
.2580	-702.	1045.	13.	2124.	-509.	788.	.0406	-.0058	-.0171	-.0645	.0103	.0169	932.
.2590	-625.	1121.	-45.	2261.	-421.	343.	.0431	-.0080	-.0203	-.0666	.0040	.0129	933.
.2600	-507.	1200.	-85.	2351.	-323.	-120.	.0455	-.0100	-.0225	-.0692	-.0027	.0091	953.
.2610	-383.	1340.	-82.	2432.	-222.	-556.	.0476	-.0121	-.0239	-.0724	-.0101	.0056	1005.
.2620	-257.	1444.	-80.	2477.	-122.	-960.	.0495	-.0140	-.0248	-.0759	-.0177	.0026	1067.
.2630	-130.	1436.	-120.	2459.	-23.	-1339.	.0512	-.0159	-.0253	-.0792	-.0256	.0004	1123.
.2640	-6.	1366.	-180.	2434.	80.	-1687.	.0528	-.0178	-.0256	-.0824	-.0339	-.0009	1189.
.2650	107.	1265.	-229.	2466.	188.	-1992.	.0544	-.0198	-.0258	-.0855	-.0423	-.0012	1275.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.2550	-552.	547.	504.	1676.	-704.	1761.	.0323	.0026	-.0004	-.0636	.0265	.0290	1016.
.2560	-652.	702.	226.	1747.	-648.	1496.	.0351	-.0006	-.0072	-.0625	.0220	.0253	959.
.2570	-708.	829.	81.	1923.	-584.	1171.	.0379	-.0034	-.0128	-.0630	.0165	.0212	934.
.2580	-762.	1045.	13.	2124.	-509.	788.	.0406	-.0055	-.0171	-.0645	.0103	.0169	932.
.2590	-625.	1121.	-45.	2261.	-421.	343.	.0431	-.0080	-.0203	-.0666	.0040	.0129	933.
.2600	-507.	1200.	-65.	2351.	-323.	-120.	.0455	-.0100	-.0225	-.0692	-.0027	.0091	953.
.2610	-383.	1340.	-82.	2432.	-222.	-556.	.0476	-.0121	-.0239	-.0724	-.0101	.0056	1005.
.2620	-257.	1444.	-80.	2477.	-122.	-960.	.0495	-.0140	-.0248	-.0759	-.0177	.0026	1067.
.2630	-130.	1436.	-120.	2459.	-23.	-1339.	.0512	-.0159	-.0253	-.0792	-.0256	.0004	1123.
.2640	-6.	1366.	-160.	2474.	80.	-1687.	.0528	-.0178	-.0256	-.0824	-.0339	-.0009	1189.
.2650	107.	1265.	-229.	2466.	186.	-1992.	.0544	-.0198	-.0258	-.0855	-.0423	-.0012	1275.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2660	210.	1148.	-252.	2575.	308.	-2253.	.0560	-.0217	-.0258	-.0883	-.0506	-.0006	1379.
.2670	300.	993.	-256.	2743.	443.	-2470.	.0576	-.0235	-.0257	-.0907	-.0586	.0009	1492.
.2680	381.	772.	-274.	2926.	593.	-2644.	.0593	-.0253	-.0257	-.0923	-.0663	.0032	1600.
.2690	467.	577.	-300.	3131.	752.	-2784.	.0609	-.0270	-.0257	-.0930	-.0737	.0063	1708.
.2700	554.	490.	-289.	3413.	911.	-2888.	.0625	-.0286	-.0257	-.0930	-.0811	.0101	1831.
.2710	626.	429.	-231.	3789.	1056.	-2951.	.0637	-.0298	-.0257	-.0924	-.0880	.0143	1973.
.2720	672.	203.	-173.	4207.	1175.	-2962.	.0645	-.0304	-.0258	-.0911	-.0937	.0188	2118.
.2730	679.	-158.	-131.	4633.	1262.	-2903.	.0646	-.0305	-.0259	-.0888	-.0980	.0234	2252.
.2740	650.	-357.	-60.	5073.	1327.	-2780.	.0640	-.0306	-.0259	-.0859	-.1014	.0279	2382.
.2750	610.	-312.	18.	5451.	1388.	-2645.	.0628	-.0308	-.0260	-.0822	-.1037	.0322	2494.
.2760	579.	-290.	22.	5654.	1450.	-2556.	.0609	-.0308	-.0260	-.0774	-.1044	.0364	2557.
.2770	559.	-455.	-67.	5671.	1505.	-2544.	.0585	-.0306	-.0260	-.0713	-.1036	.0405	2566.
.2780	584.	-581.	-172.	5608.	1542.	-2653.	.0554	-.0304	-.0259	-.0642	-.1018	.0446	2565.
.2790	686.	-454.	-227.	5569.	1551.	-2911.	.0518	-.0303	-.0254	-.0568	-.0992	.0486	2597.
.2800	821.	-292.	-247.	5589.	1517.	-3244.	.0476	-.0300	-.0248	-.0490	-.0959	.0522	2664.
.2810	916.	-363.	-269.	5666.	1418.	-3546.	.0427	-.0295	-.0241	-.0410	-.0921	.0550	2742.
.2820	968.	-522.	-297.	5775.	1247.	-3791.	.0372	-.0287	-.0236	-.0327	-.0878	.0568	2817.
.2830	1008.	-472.	-331.	5865.	1030.	-3995.	.0314	-.0281	-.0235	-.0244	-.0830	.0579	2878.
.2840	1006.	-258.	-408.	5853.	798.	-4115.	.0256	-.0276	-.0240	-.0160	-.0777	.0579	2889.
.2850	917.	-147.	-585.	5649.	574.	-4099.	.0202	-.0269	-.0251	-.0073	-.0718	.0565	2810.
.2860	767.	-169.	-862.	5233.	376.	-3974.	.0154	-.0259	-.0269	.0016	-.0654	.0539	2641.
.2870	606.	-126.	-1163.	4696.	218.	-3790.	.0119	-.0248	-.0292	.0102	-.0588	.0501	2423.
.2880	433.	19.	-1403.	4176.	103.	-3540.	.0097	-.0234	-.0317	.0180	-.0526	.0452	2197.
.2890	231.	115.	-1555.	3759.	12.	-3207.	.0091	-.0217	-.0344	.0248	-.0472	.0390	1983.
.2900	18.	111.	-1617.	3460.	-81.	-2823.	.0100	-.0197	-.0371	.0306	-.0433	.0318	1792.
.2910	-181.	93.	-1588.	3270.	-186.	-2421.	.0122	-.0173	-.0398	.0352	-.0412	.0237	1634.
.2920	-380.	85.	-1488.	3153.	-302.	-1982.	.0155	-.0149	-.0425	.0390	-.0410	.0151	1499.
.2930	-596.	41.	-1362.	3036.	-421.	-1485.	.0197	-.0123	-.0452	.0422	-.0421	.0062	1367.
.2940	-812.	-7.	-1237.	2846.	-529.	-964.	.0243	-.0098	-.0477	.0450	-.0439	-.0024	1224.
.2950	-995.	-8.	-1122.	2539.	-600.	-481.	.0292	-.0073	-.0498	.0474	-.0452	-.0103	1065.
.2960	-1131.	-24.	-1028.	2106.	-611.	-64.	.0339	-.0047	-.0513	.0496	-.0451	-.0169	880.
.2970	-1225.	-124.	-961.	1571.	-561.	299.	.0381	-.0023	-.0520	.0518	-.0430	-.0219	680.
.2980	-1276.	-222.	-893.	991.	-468.	612.	.0415	-.0001	-.0518	.0538	-.0388	-.0252	504.
.2990	-1272.	-212.	-809.	397.	-354.	852.	.0438	.0016	-.0506	.0558	-.0330	-.0265	403.
.3000	-1217.	-163.	-739.	-228.	-244.	1015.	.0447	.0027	-.0486	.0580	-.0258	-.0261	429.
.3010	-1140.	-197.	-718.	-906.	-166.	1137.	.0444	.0034	-.0459	.0608	-.0177	-.0240	587.
.3020	-1055.	-259.	-731.	-1612.	-142.	1244.	.0427	.0035	-.0426	.0641	-.0095	-.0205	819.
.3030	-940.	-209.	-737.	-2300.	-165.	1306.	.0400	.0029	-.0389	.0679	-.0016	-.0157	1063.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.2920	-[illegible]	[illegible]	-1[illegible]	[illegible]	-[illegible]	-1[illegible]	[illegible]	-.0149	-.0425	.0390	-.0410	.0151	1499.
.2930	-596.	41.	-1262.	3036.	-421.	-1435.	.0197	-.0123	-.0452	.0422	-.0421	.0062	1367.
.2940	-817.	-7.	-1237.	2846.	-529.	-964.	.0243	-.0098	-.0477	.0450	-.0439	-.0024	1224.
.2950	-995.	-8.	-1122.	2539.	-600.	-481.	.0292	-.0073	-.0498	.0474	-.0452	-.0103	1065.
.2960	-1131.	-24.	-1028.	2106.	-611.	-64.	.0339	-.0047	-.0513	.0496	-.0451	-.0169	880.
.2970	-1225.	-124.	-961.	1571.	-561.	299.	.0381	-.0023	-.0520	.0518	-.0430	-.0219	680.
.2980	-1276.	-222.	-892.	991.	-468.	612.	.0415	-.0001	-.0518	.0538	-.0388	-.0252	504.
.2990	-1272.	-212.	-809.	397.	-354.	852.	.0438	.0016	-.0506	.0558	-.0330	-.0265	403.
.3000	-1217.	-163.	-739.	-228.	-244.	1015.	.0447	.0027	-.0486	.0580	-.0258	-.0261	429.
.3010	-1140.	-197.	-710.	-906.	-166.	1137.	.0444	.0034	-.0459	.0608	-.0177	-.0240	587.
.3020	-1055.	-259.	-731.	-1612.	-142.	1244.	.0427	.0035	-.0426	.0641	-.0095	-.0205	819.
.3030	-940.	-209.	-737.	-2300.	-165.	1306.	.0400	.0029	-.0389	.0679	-.0016	-.0157	1063.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.3040	-772.	-83.	-726.	-2953.	-207.	1279.	.0367	.0016	-.0346	.0719	.0063	-.0098	1294.
.3050	-573.	-29.	-701.	-3557.	-251.	1153.	.0330	-.0001	-.0298	.0760	.0143	-.0031	1504.
.3060	-335.	-41.	-637.	-4069.	-290.	951.	.0292	-.0022	-.0246	.0800	.0223	.0042	1681.
.3070	-77.	13.	-507.	-4442.	-321.	714.	.0256	-.0048	-.0192	.0834	.0302	.0118	1810.
.3080	169.	163.	-325.	-4674.	-342.	505.	.0221	-.0079	-.0139	.0860	.0374	.0191	1892.
.3090	357.	304.	-137.	-4807.	-363.	389.	.0188	-.0112	-.0089	.0879	.0438	.0257	1941.
.3100	466.	397.	24.	-4872.	-406.	401.	.0155	-.0146	-.0045	.0890	.0487	.0313	1969.
.3110	495.	493.	162.	-4868.	-481.	542.	.0122	-.0178	-.0009	.0893	.0518	.0357	1975.
.3120	454.	602.	287.	-4772.	-578.	789.	.0091	-.0208	.0019	.0886	.0531	.0390	1955.
.3130	367.	684.	407.	-4574.	-682.	1088.	.0062	-.0234	.0040	.0871	.0529	.0413	1906.
.3140	273.	748.	535.	-4262.	-781.	1363.	.0035	-.0255	.0056	.0847	.0513	.0427	1823.
.3150	195.	827.	692.	-3833.	-859.	1569.	.0011	-.0271	.0068	.0813	.0487	.0431	1697.
.3160	130.	890.	865.	-3314.	-905.	1709.	-.0012	-.0280	.0078	.0772	.0453	.0428	1540.
.3170	66.	892.	1013.	-2771.	-919.	1804.	-.0035	-.0283	.0084	.0728	.0414	.0415	1377.
.3180	3.	865.	1100.	-2279.	-913.	1858.	-.0059	-.0279	.0087	.0685	.0368	.0394	1235.
.3190	-56.	844.	1105.	-1893.	-894.	1872.	-.0087	-.0269	.0086	.0645	.0314	.0365	1127.
.3200	-119.	764.	1013.	-1640.	-865.	1860.	-.0119	-.0253	.0081	.0611	.0255	.0326	1054.
.3210	-194.	545.	830.	-1509.	-831.	1843.	-.0155	-.0231	.0074	.0583	.0193	.0279	1012.
.3220	-263.	245.	598.	-1449.	-795.	1810.	-.0193	-.0205	.0068	.0563	.0133	.0226	984.
.3230	-301.	-12.	384.	-1391.	-756.	1729.	-.0232	-.0177	.0065	.0546	.0077	.0168	941.
.3240	-295.	-223.	215.	-1313.	-700.	1578.	-.0270	-.0151	.0065	.0532	.0031	.0106	870.
.3250	-260.	-469.	84.	-1229.	-626.	1376.	-.0304	-.0126	.0069	.0521	-.0003	.0042	782.
.3260	-218.	-743.	-14.	-1165.	-544.	1163.	-.0334	-.0104	.0075	.0514	-.0025	-.0024	696.
.3270	-174.	-930.	-88.	-1160.	-465.	951.	-.0357	-.0088	.0081	.0510	-.0040	-.0090	630.
.3280	-124.	-990.	-167.	-1264.	-394.	738.	-.0372	-.0079	.0085	.0511	-.0049	-.0153	608.
.3290	-90.	-1020.	-275.	-1495.	-331.	554.	-.0380	-.0077	.0085	.0516	-.0052	-.0213	653.
.3300	-97.	-1077.	-400.	-1809.	-281.	443.	-.0380	-.0082	.0082	.0524	-.0052	-.0270	756.
.3310	-135.	-1103.	-501.	-2126.	-245.	413.	-.0372	-.0096	.0077	.0531	-.0049	-.0322	875.
.3320	-177.	-1037.	-545.	-2371.	-217.	435.	-.0355	-.0119	.0071	.0536	-.0041	-.0366	971.
.3330	-211.	-920.	-518.	-2496.	-187.	484.	-.0330	-.0151	.0065	.0537	-.0026	-.0400	1023.
.3340	-242.	-822.	-422.	-2490.	-159.	554.	-.0298	-.0190	.0061	.0533	-.0002	-.0424	1025.
.3350	-266.	-731.	-267.	-2363.	-145.	635.	-.0262	-.0234	.0059	.0524	.0027	-.0437	984.
.3360	-288.	-617.	-77.	-2158.	-147.	729.	-.0223	-.0281	.0056	.0512	.0062	-.0441	916.
.3370	-317.	-500.	108.	-1927.	-164.	841.	-.0184	-.0331	.0053	.0498	.0100	-.0434	850.
.3380	-357.	-409.	251.	-1762.	-199.	964.	-.0146	-.0380	.0048	.0484	.0142	-.0420	810.
.3390	-403.	-335.	344.	-1659.	-245.	1083.	-.0111	-.0427	.0042	.0468	.0186	-.0399	801.
.3400	-447.	-257.	404.	-1616.	-288.	1152.	-.0081	-.0469	.0036	.0451	.0234	-.0374	812.
.3410	-477.	-171.	445.	-1612.	-312.	1244.	-.0055	-.0507	.0032	.0430	.0288	-.0344	827.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.3300	-84.	-1047.	-267.	-1888.	-281.	443.	-.0380	-.0082	.0082	.0524	-.0052	-.0270	756.
.3310	-135.	-1103.	-501.	-2126.	-245.	413.	-.0372	-.0096	.0077	.0531	-.0049	- 0322	875.
.3320	-177.	-1037.	-545.	-2371.	-217.	435.	-.0355	-.0119	.0071	.0536	-.0041	-.0366	971.
.3330	-211.	-920.	-518.	-2496.	-187.	484.	-.0330	-.0151	.0065	.0537	-.0026	-.0400	1023.
.3340	-242.	-822.	-422.	-2490.	-159.	554.	-.0298	-.0190	.0061	.0533	-.0002	-.0424	1025.
.3350	-266.	-771.	-267.	-2363.	-145.	635.	-.0262	-.0234	.0059	.0524	.0027	-.0437	984.
.3360	-288.	-617.	-77.	-2155.	-147.	729.	-.0223	-.0281	.0056	.0512	.0062	-.0441	916.
.3370	-317.	-500.	108.	-1937.	-164.	841.	-.0184	-.0331	.0053	.0498	.0100	-.0434	850.
.3380	-357.	-409.	251.	-1762.	-199.	964.	-.0146	-.0380	.0048	.0484	.0142	-.0420	810.
.3390	-403.	-335.	344.	-1659.	-245.	1083.	-.0111	-.0427	.0042	.0468	.0186	-.0399	801.
.3400	-447.	-257.	404.	-1616.	-288.	1182.	-.0081	-.0469	.0036	.0451	.0234	-.0374	812.
.3410	-477.	-171.	447.	-1612.	-312.	1244.	-.0055	-.0507	.0032	.0430	.0288	-.0344	827.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.3420	-476.	-81.	480.	-1637.	-318.	1249.	-.0033	-.0538	.0030	.0407	.0347	-.0312	836.
.3430	-432.	18.	508.	-1683.	-306.	1181.	-.0017	-.0562	.0033	.0380	.0409	-.0279	834.
.3440	-351.	123.	541.	-1736.	-277.	1055.	-.0005	-.0578	.0039	.0349	.0472	-.0248	823.
.3450	-249.	219.	579.	-1785.	-239.	900.	.0001	-.0585	.0050	.0315	.0534	-.0222	808.
.3460	-142.	289.	612.	-1829.	-205.	752.	.0001	-.0583	.0063	.0279	.0592	-.0202	798.
.3470	-41.	338.	633.	-1868.	-183.	637.	-.0003	-.0575	.0077	.0242	.0644	-.0190	795.
.3480	49.	380.	642.	-1890.	-168.	561.	-.0010	-.0560	.0092	.0204	.0688	-.0187	794.
.3490	124.	409.	647.	-1876.	-148.	527.	-.0020	-.0540	.0106	.0164	.0723	-.0194	784.
.3500	174.	399.	652.	-1809.	-113.	541.	-.0029	-.0516	.0120	.0124	.0751	-.0210	759.
.3510	198.	344.	661.	-1686.	-62.	597.	-.0037	-.0490	.0131	.0083	.0770	-.0235	718.
.3520	203.	268.	669.	-1514.	5.	672.	-.0041	-.0462	.0138	.0044	.0779	-.0268	665.
.3530	191.	179.	669.	-1310.	88.	745.	-.0040	-.0434	.0141	.0008	.0778	-.0306	606.
.3540	153.	67.	658.	-1079.	175.	814.	-.0035	-.0406	.0138	-.0024	.0765	-.0350	547.
.3550	79.	-68.	636.	-823.	248.	881.	-.0027	-.0379	.0128	-.0050	.0741	-.0397	494.
.3560	-27.	-209.	604.	-539.	291.	944.	-.0017	-.0354	.0112	-.0071	.0704	-.0447	452.
.3570	-162.	-329.	565.	-228.	303.	995.	-.0005	-.0331	.0090	-.0085	.0658	-.0497	427.
.3580	-316.	-418.	520.	107.	289.	1025.	.0005	-.0311	.0064	-.0092	.0605	-.0544	430.
.3590	-482.	-479.	470.	453.	258.	1031.	.0014	-.0294	.0035	-.0094	.0546	-.0587	464.
.3600	-649.	-528.	409.	789.	220.	1009.	.0020	-.0279	.0006	-.0091	.0485	-.0625	521.
.3610	-803.	-576.	326.	1086.	188.	953.	.0021	-.0264	-.0023	-.0082	.0423	-.0654	585.
.3620	-926.	-621.	213.	1322.	169.	847.	.0016	-.0249	-.0049	-.0067	.0361	-.0673	634.
.3630	-1002.	-650.	72.	1492.	158.	675.	.0006	-.0235	-.0071	-.0047	.0297	-.0681	660.
.3640	-1022.	-651.	-81.	1620.	148.	430.	-.0011	-.0219	-.0087	-.0024	.0229	-.0677	675.
.3650	-986.	-635.	-226.	1742.	131.	117.	-.0035	-.0203	-.0097	-.0002	.0157	-.0663	703.
.3660	-895.	-616.	-347.	1890.	97.	-255.	-.0065	-.0184	-.0101	.0020	.0083	-.0637	766.
.3670	-752.	-596.	-436.	2080.	44.	-676.	-.0100	-.0162	-.0098	.0038	.0007	-.0601	878.
.3680	-567.	-557.	-489.	2312.	-23.	-1136.	-.0140	-.0139	-.0089	.0051	-.0069	-.0556	1034.
.3690	-347.	-484.	-511.	2561.	-89.	-1627.	-.0181	-.0113	-.0076	.0058	-.0141	-.0503	1218.
.3700	-108.	-396.	-526.	2781.	-138.	-2125.	-.0222	-.0084	-.0061	.0058	-.0207	-.0446	1406.
.3710	124.	-329.	-558.	2931.	-161.	-2587.	-.0260	-.0054	-.0046	.0052	-.0264	-.0386	1570.
.3720	327.	-292.	-620.	2987.	-150.	-2979.	-.0294	-.0023	-.0032	.0041	-.0312	-.0326	1694.
.3730	495.	-248.	-708.	2955.	-102.	-3293.	-.0320	.0006	-.0022	.0024	-.0352	-.0269	1776.
.3740	627.	-169.	-801.	2871.	-22.	-3532.	-.0337	.0033	-.0016	-.0001	-.0384	-.0218	1826.
.3750	714.	-94.	-878.	2780.	76.	-3682.	-.0344	.0057	-.0013	-.0031	-.0413	-.0175	1852.
.3760	748.	-75.	-923.	2722.	174.	-3736.	-.0340	.0076	-.0014	-.0068	-.0439	-.0141	1856.
.3770	739.	-100.	-926.	2721.	263.	-3709.	-.0325	.0089	-.0018	-.0110	-.0466	-.0116	1849.
.3780	705.	-121.	-881.	2777.	343.	-3636.	-.0299	.0096	-.0024	-.0155	-.0494	-.0101	1841.
.3790	656.	-125.	-792.	2871.	416.	-3533.	-.0262	.0094	-.0032	-.0203	-.0522	-.0094	1834.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.3680	-324.	-387.	-428.	231.	-23.	-1136.	-.0140	-.0139	-.0089	.0051	-.0369	-.0556	1034.
.3690	-347.	-434.	-511.	2561.	-89.	-1627.	-.0181	-.0113	-.0076	.0058	-.0141	-.0503	1218.
.3700	-108.	-396.	-526.	2781.	-138.	-2125.	-.0222	-.0084	-.0061	.0058	-.0207	-.0446	1406.
.3710	124.	-329.	-558.	2931.	-161.	-2537.	-.0260	-.0054	-.0046	.0052	-.0264	-.0386	1570.
.3720	327.	-292.	-620.	2987.	-150.	-2979.	-.0294	-.0023	-.0032	.0041	-.0312	-.0326	1694.
.3730	495.	-248.	-730.	2955.	-102.	-3293.	-.0320	.0006	-.0022	.0024	-.0352	-.0269	1776.
.3740	627.	-169.	-801.	2871.	-22.	-3532.	-.0337	.0033	-.0016	-.0001	-.0394	-.0218	1826.
.3750	714.	-94.	-878.	2780.	76.	-3682.	-.0344	.0057	-.0013	-.0031	-.0413	-.0175	1852.
.3760	748.	-75.	-923.	2722.	174.	-3736.	-.0340	.0076	-.0014	-.0068	-.0439	-.0141	1856.
.3770	739.	-100.	-926.	2721.	263.	-3709.	-.0325	.0089	-.0018	-.0110	-.0466	-.0116	1849.
.3780	705.	-121.	-881.	2777.	343.	-3636.	-.0299	.0096	-.0024	-.0155	-.0494	-.0101	1841.
.3790	656.	-125.	-792.	2871.	416.	-3533.	-.0262	.0094	-.0032	-.0203	-.0522	-.0094	1834.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 32 MEMBER 2 SEQUENCE 815 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.3800	591.	-134.	-676.	2971.	485.	-3399.	-.0218	.0084	-.0040	-.0250	-.0549	-.0094	1822.
.3810	515.	-131.	-542.	3049.	552.	-3234.	-.0169	.0067	-.0048	-.0297	-.0572	-.0101	1797.
.3820	428.	-132.	-412.	3075.	625.	-3033.	-.0117	.0044	-.0055	-.0339	-.0586	-.0110	1751.
.3830	335.	-145.	-299.	3030.	704.	-2808.	-.0065	.0015	-.0060	-.0377	-.0589	-.0121	1681.
.3840	252.	-132.	-196.	2923.	780.	-2584.	-.0018	-.0018	-.0061	-.0410	-.0580	-.0130	1597.
.3850	184.	-99.	-98.	2769.	843.	-2374.	.0023	-.0054	-.0058	-.0437	-.0557	-.0135	1502.
.3860	127.	-96.	-12.	2576.	883.	-2177.	.0056	-.0091	-.0051	-.0457	-.0519	-.0134	1399.
.3870	85.	-108.	61.	2354.	892.	-2000.	.0078	-.0130	-.0039	-.0468	-.0467	-.0126	1290.
.3880	72.	-39.	133.	2117.	867.	-1871.	.0090	-.0169	-.0022	-.0470	-.0402	-.0109	1186.
.3890	96.	146.	214.	1877.	814.	-1804.	.0093	-.0207	-.0001	-.0465	-.0326	-.0084	1094.
.3900	144.	343.	295.	1631.	740.	-1780.	.0086	-.0240	.0024	-.0450	-.0239	-.0051	1013.
.3910	199.	448.	359.	1378.	647.	-1777.	.0072	-.0265	.0050	-.0426	-.0144	-.0009	939.
.3920	267.	493.	406.	1123.	543.	-1799.	.0052	-.0280	.0076	-.0393	-.0045	.0040	879.
.3930	360.	568.	442.	878.	441.	-1860.	.0029	-.0286	.0101	-.0353	.0055	.0095	844.
.3940	468.	676.	467.	656.	350.	-1938.	.0003	-.0284	.0124	-.0308	.0152	.0155	833.
.3950	554.	737.	475.	471.	265.	-1973.	-.0023	-.0271	.0143	-.0258	.0244	.0216	821.
.3960	595.	730.	467.	338.	182.	-1912.	-.0050	-.0249	.0157	-.0206	.0329	.0274	783.
.3970	589.	718.	453.	269.	100.	-1750.	-.0075	-.0218	.0166	-.0152	.0404	.0329	711.
.3980	551.	739.	440.	264.	25.	-1514.	-.0098	-.0180	.0169	-.0099	.0467	.0380	617.
.3990	492.	765.	431.	320.	-40.	-1237.	-.0118	-.0136	.0167	-.0049	.0517	.0425	513.
.4000	415.	743.	425.	427.	-94.	-939.	-.0133	-.0085	.0161	-.0002	.0553	.0464	416.

MAXIMUM VALUE OF STRESS OCCURS AT

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0620	-1285.	-2573.	585.	-8727.	-322.	5425.	.0097	.0010	.0332	.0610	.1444	-.0409	4125.

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
0.0000	0.	0.	0.	0.	0.	0.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.
.0010	-0.	-0.	0.	-0.	-0.	-0.	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	0.
.0020	0.	-2.	0.	-2.	-0.	1.	-.0000	-.0000	-.0000	-.0000	-.0000	.0000	1.
.0030	2.	-4.	2.	-12.	-1.	11.	-.0000	-.0000	-.0000	-.0001	-.0001	.0001	7.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.0020	-1285.	-2573.	565.	-8727.	-322.	5425.	.0097	.0010	.0332	.0610	.1444	-.0409	4125.

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
0.0000	0.	0.	0.	0.	0.	0.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.
.0010	-0.	-0.	0.	-0.	-0.	-0.	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	0.
.0020	0.	-2.	2.	-2.	-0.	1.	-.0000	-.0000	-.0000	-.0000	-.0000	.0000	1.
.0030	2.	-[illegible]	2.	-12.	-1.	11.	-.0000	-.0000	-.0000	-.0001	-.0001	.0001	7.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0040	6.	-13.	5.	-38.	-1.	42.	-.0000	-.0000	-.0000	-.0002	-.0001	.0002	23.
.0050	15.	-32.	11.	-81.	-1.	107.	-.0000	-.0000	-.0001	-.0005	-.0002	.0006	54.
.0060	29.	-65.	18.	-135.	-1.	208.	-.0001	-.0001	-.0002	-.0008	-.0002	.0012	100.
.0070	44.	-104.	27.	-206.	-2.	322.	-.0003	-.0001	-.0004	-.0014	-.0004	.0019	153.
.0080	56.	-144.	37.	-295.	-5.	435.	-.0007	-.0002	-.0007	-.0021	-.0007	.0028	211.
.0090	74.	-183.	45.	-379.	-6.	597.	-.0012	-.0003	-.0011	-.0029	-.0009	.0042	284.
.0100	105.	-231.	45.	-422.	-2.	866.	-.0020	-.0004	-.0016	-.0036	-.0003	.0063	387.
.0110	144.	-301.	40.	-428.	12.	1216.	-.0031	-.0006	-.0022	-.0042	.0017	.0092	517.
.0120	170.	-378.	38.	-455.	36.	1504.	-.0048	-.0008	-.0026	-.0049	.0053	.0122	631.
.0130	153.	-425.	56.	-600.	72.	1543.	-.0070	-.0010	-.0029	-.0060	.0108	.0145	665.
.0140	80.	-433.	103.	-940.	117.	1218.	-.0096	-.0013	-.0028	-.0079	.0178	.0154	619.
.0150	-38.	-424.	173.	-1431.	167.	581.	-.0124	-.0016	-.0025	-.0104	.0256	.0148	624.
.0160	-169.	-400.	234.	-1883.	216.	-199.	-.0146	-.0018	-.0022	-.0130	.0332	.0128	765.
.0170	-286.	-310.	250.	-2057.	257.	-978.	-.0156	-.0020	-.0019	-.0144	.0396	.0097	920.
.0180	-370.	-105.	196.	-1776.	285.	-1670.	-.0151	-.0021	-.0018	-.0139	.0441	.0054	985.
.0190	-412.	182.	74.	-1036.	304.	-2217.	-.0127	-.0021	-.0013	-.0109	.0473	-.0001	990.
.0200	-409.	438.	-76.	-54.	319.	-2601.	-.0084	-.0019	.0001	-.0061	.0499	-.0067	1052.
.0210	-338.	607.	-208.	891.	342.	-2629.	-.0024	-.0015	.0030	-.0003	.0538	-.0131	1122.
.0220	-150.	623.	-290.	1612.	403.	-1920.	.0050	-.0010	.0075	.0060	.0636	-.0168	1019.
.0230	66.	299.	-248.	1601.	480.	-987.	.0125	-.0006	.0134	.0100	.0761	-.0195	779.
.0240	146.	-253.	-48.	554.	525.	-847.	.0191	-.0005	.0195	.0094	.0843	-.0248	457.
.0250	51.	-566.	168.	-687.	503.	-1736.	.0242	-.0004	.0240	.0065	.0826	-.0336	776.
.0260	-23.	-328.	124.	-340.	443.	-2368.	.0284	-.0001	.0250	.0089	.0746	-.0399	976.
.0270	86.	320.	-246.	2052.	416.	-1662.	.0320	.0008	.0230	.0190	.0708	-.0388	1072.
.0280	110.	924.	-557.	4025.	374.	-1420.	.0343	.0021	.0201	.0266	.0643	-.0387	1719.
.0290	-129.	1258.	-587.	4187.	243.	-2841.	.0350	.0036	.0180	.0264	.0442	-.0452	2033.
.0300	-139.	1485.	-687.	4941.	128.	-2716.	.0355	.0048	.0167	.0304	.0262	-.0440	2263.
.0310	165.	1952.	-852.	6279.	69.	-465.	.0359	.0059	.0167	.0390	.0164	-.0322	2527.
.0320	363.	2326.	-687.	5580.	-6.	1155.	.0340	.0069	.0193	.0402	.0048	-.0218	2287.
.0330	301.	2064.	-148.	2470.	-92.	1165.	.0287	.0079	.0236	.0313	-.0080	-.0167	1096.
.0340	165.	1327.	421.	-923.	-147.	778.	.0205	.0090	.0268	.0201	-.0160	-.0114	488.
.0350	6.	845.	755.	-3021.	-217.	275.	.0106	.0101	.0259	.0114	-.0267	-.0056	1220.
.0360	-177.	984.	750.	-3208.	-340.	-428.	-.0001	.0111	.0196	.0071	-.0464	-.0005	1306.
.0370	-252.	1460.	396.	-1356.	-440.	-522.	-.0103	.0122	.0093	.0088	-.0638	.0065	609.
.0380	-269.	1889.	-61.	1088.	-461.	-381.	-.0191	.0134	-.0020	.0121	-.0703	.0129	498.
.0390	-462.	1951.	-243.	1787.	-480.	-1604.	-.0261	.0145	-.0111	.0085	-.0759	.0108	983.
.0400	-633.	1286.	-117.	601.	-558.	-2897.	-.0301	.0148	-.0167	-.0017	-.0891	.0053	1208.
.0410	-277.	390.	-84.	228.	-590.	-862.	-.0297	.0141	-.0200	-.0057	-.0947	.0123	436.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.0310	165.	1952.	-752.	6279.	69.	-465.	.0359	.0059	.0167	.0390	.0164	-.0322	2527.
.0320	367.	2326.	-687.	5580.	-6.	1155.	.0340	.0069	.0193	.0402	.0048	-.0218	2287.
.0330	301.	2064.	-148.	2470.	-92.	1165.	.0287	.0079	.0236	.0313	-.0080	-.0167	1096.
.0340	165.	1327.	421.	-922.	-147.	778.	.0205	.0090	.0268	.0201	-.0160	-.0114	488.
.0350	6.	845.	755.	-3021.	-217.	275.	.0106	.0101	.0259	.0114	-.0267	-.0056	1220.
.0360	-177.	984.	750.	-3208.	-340.	-428.	-.0001	.0111	.0106	.0071	-.0464	-.0005	1306.
.0370	-252.	1460.	396.	-1356.	-440.	-522.	-.0103	.0122	.0093	.0086	-.0638	.0065	609.
.0380	-269.	1889.	-61.	1086.	-461.	-381.	-.0191	.0134	-.0020	.0121	-.0703	.0129	498.
.0390	-462.	1951.	-243.	1787.	-480.	-1604.	-.0261	.0145	-.0111	.0085	-.0759	.0108	983.
.0400	-637.	1286.	-117.	601.	-558.	-2897.	-.0301	.0148	-.0167	-.0017	-.0891	.0053	1208.
.0410	-277.	300.	-94.	229.	-596.	-882.	-.0297	.0141	-.0200	-.0057	-.0947	.0123	436.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0420	379.	85.	-52.	17.	-575.	3067.	-.0270	.0127	-.0211	-.0070	-.0935	.0271	1252.
.0430	620.	380.	118.	-975.	-586.	4366.	-.0257	.0115	-.0201	-.0103	-.0968	.0303	1811.
.0440	434.	-135.	430.	-2852.	-610.	3018.	-.0268	.0103	-.0179	-.0172	-.1025	.0232	1684.
.0450	218.	-1498.	592.	-3768.	-579.	1631.	-.0287	.0086	-.0164	-.0202	-.1002	.0174	1664.
.0460	74.	-2080.	496.	-3074.	-526.	799.	-.0303	.0065	-.0165	-.0170	-.0942	.0145	1292.
.0470	-83.	-1388.	354.	-2161.	-527.	-135.	-.0310	.0040	-.0173	-.0139	-.0955	.0106	894.
.0480	-128.	-760.	244.	-1511.	-531.	-377.	-.0301	.0013	-.0178	-.0122	-.0966	.0089	660.
.0490	35.	-927.	46.	-253.	-440.	668.	-.0275	-.0013	-.0172	-.0072	-.0829	.0122	337.
.0500	197.	-1194.	-160.	1109.	-281.	1662.	-.0247	-.0035	-.0150	-.0007	-.0585	.0148	810.
.0510	175.	-1079.	-276.	1940.	-123.	1416.	-.0230	-.0053	-.0110	.0046	-.0338	.0120	965.
.0520	57.	-1149.	-348.	2548.	25.	520.	-.0224	-.0070	-.0055	.0101	-.0100	.0067	1044.
.0530	-14.	-1590.	-425.	3249.	171.	-96.	-.0221	-.0089	.0008	.0168	.0137	.0028	1306.
.0540	-12.	-1774.	-459.	3692.	296.	-288.	-.0218	-.0104	.0076	.0230	.0349	.0006	1491.
.0550	22.	-1682.	-394.	3492.	395.	-314.	-.0212	-.0112	.0147	.0265	.0528	-.0010	1416.
.0560	44.	-1893.	-291.	3003.	480.	-458.	-.0202	-.0114	.0211	.0281	.0691	-.0036	1234.
.0570	10.	-1924.	-296.	3146.	564.	-979.	-.0187	-.0110	.0257	.0317	.0353	-.0082	1341.
.0580	-109.	-715.	-449.	4200.	647.	-2067.	-.0164	-.0097	.0284	.0384	.1009	-.0158	1896.
.0590	-298.	1151.	-631.	5405.	723.	-3624.	-.0129	-.0074	.0298	.0452	.1152	-.0263	2628.
.0600	-442.	1992.	-756.	6259.	795.	-4896.	-.0074	-.0047	.0310	.0506	.1283	-.0366	3205.
.0610	-391.	1710.	-839.	6886.	852.	-4873.	.0004	-.0020	.0321	.0556	.1390	-.0419	3402.
.0620	-138.	1309.	-903.	7466.	873.	-3451.	.0097	.0010	.0332	.0610	.1444	-.0409	3319.
.0630	130.	2560.	-899.	7652.	840.	-1768.	.0185	.0043	.0341	.0652	.1420	-.0376	3170.
.0640	234.	2609.	-768.	7058.	762.	-942.	.0250	.0075	.0347	.0661	.1329	-.0359	2874.
.0650	137.	1584.	-518.	5670.	673.	-1198.	.0283	.0105	.0346	.0632	.1212	-.0363	2341.
.0660	-115.	765.	-239.	4022.	596.	-2272.	.0285	.0136	.0326	.0579	.1099	-.0381	1869.
.0670	-406.	764.	-77.	3013.	534.	-3515.	.0269	.0166	.0278	.0537	.0990	-.0393	1870.
.0680	-562.	823.	-167.	3542.	492.	-3909.	.0247	.0190	.0199	.0545	.0898	-.0365	2126.
.0690	-541.	535.	-450.	5281.	474.	-3243.	.0225	.0202	.0101	.0599	.0840	-.0295	2494.
.0700	-492.	272.	-665.	6602.	461.	-2560.	.0199	.0204	.0005	.0638	.0796	-.0235	2848.
.0710	-486.	-28.	-674.	6676.	443.	-2337.	.0165	.0197	-.0071	.0634	.0746	-.0204	2844.
.0720	-411.	-754.	-567.	6143.	438.	-1828.	.0123	.0177	-.0125	.0623	.0711	-.0168	2578.
.0730	-265.	-1507.	-379.	5210.	435.	-990.	.0074	.0149	-.0159	.0610	.0665	-.0122	2135.
.0740	-201.	-1642.	-30.	3260.	377.	-829.	.0016	.0115	-.0179	.0561	.0529	-.0113	1366.
.0750	-216.	-1499.	406.	753.	247.	-1294.	-.0047	.0076	-.0194	.0483	.0286	-.0139	609.
.0760	-131.	-1739.	711.	-1023.	87.	-1194.	-.0100	.0031	-.0219	.0426	.0006	-.0148	632.
.0770	92.	-1991.	804.	-1559.	-69.	-241.	-.0138	-.0015	-.0258	.0408	-.0256	-.0128	634.
.0780	334.	-1550.	755.	-1315.	-207.	837.	-.0161	-.0058	-.0306	.0409	-.0479	-.0108	631.
.0790	534.	-782.	627.	-652.	-300.	1710.	-.0173	-.0097	-.0352	.0420	-.0522	-.0097	744.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.0680	-562.	873.	-107.	3542.	492.	-3909.	.0247	.0190	.0199	.0545	.0898	-.0365	2126.
.0690	-541.	535.	-450.	5281.	474.	-3243.	.0225	.0202	.0101	.0599	.0840	-.0295	2494.
.0700	-492.	272.	-663.	6602.	461.	-2560.	.0199	.0204	.0005	.0638	.0796	-.0235	2848.
.0710	-485.	-28.	-674.	6676.	443.	-2337.	.0165	.0197	-.0071	.0634	.0746	-.0204	2844.
.0720	-411.	-754.	-567.	6143.	438.	-1626.	.0123	.0177	-.0125	.0623	.0711	-.0168	2578.
.0730	-265.	-1507.	-379.	5210.	435.	-990.	.0074	.0149	-.0159	.0610	.0565	-.0122	2135.
.0740	-201.	-1642.	-53.	3290.	377.	-829.	.0016	.0115	-.0179	.0561	.0529	-.0113	1366.
.0750	-216.	-1499.	406.	753.	247.	-1294.	-.0047	.0076	-.0194	.0483	.0286	-.0139	609.
.0760	-131.	-1739.	711.	-1023.	87.	-1194.	-.0100	.0031	-.0219	.0426	.0006	-.0148	632.
.0770	92.	-1991.	804.	-1559.	-69.	-241.	-.0133	-.0015	-.0258	.0408	-.0256	-.0128	634.
.0780	734.	-1550.	755.	-1315.	-207.	037.	-.0161	-.0058	-.0306	.0409	-.0479	-.0108	631.
.0790	534.	-782.	627.	-652.	-300.	1710.	-.0173	-.0087	-.0352	.0420	-.0522	-.0097	744.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0800	676.	-544.	498.	-33.	-323.	2344.	-.0178	-.0132	-.0383	.0429	-.0652	-.0091	950.
.0810	703.	-789.	487.	-193.	-308.	2387.	-.0179	-.0161	-.0393	.0407	-.0609	-.0103	969.
.0820	646.	-872.	577.	-1017.	-293.	2049.	-.0174	-.0181	-.0383	.0359	-.0552	-.0121	925.
.0830	643.	-741.	618.	-1540.	-285.	2231.	-.0160	-.0192	-.0364	.0324	-.0492	-.0107	1094.
.0840	692.	-781.	570.	-1519.	-297.	2894.	-.0139	-.0195	-.0342	.0311	-.0452	-.0062	1317.
.0850	635.	-923.	514.	-1498.	-361.	2948.	-.0115	-.0188	-.0317	.0292	-.0488	-.0038	1335.
.0860	441.	-778.	442.	-1403.	-469.	2124.	-.0087	-.0170	-.0289	.0274	-.0593	-.0053	1039.
.0870	244.	-301.	285.	-742.	-569.	1240.	-.0049	-.0144	-.0256	.0284	-.0693	-.0076	623.
.0880	121.	301.	101.	149.	-635.	743.	.0005	-.0110	-.0209	.0313	-.0749	-.0092	397.
.0890	68.	984.	20.	442.	-674.	563.	.0072	-.0072	-.0142	.0328	-.0769	-.0106	394.
.0900	117.	1707.	72.	-69.	-687.	933.	.0147	-.0031	-.0058	.0317	-.0753	-.0102	466.
.0910	277.	2245.	207.	-1095.	-667.	1991.	.0215	.0011	.0034	.0287	-.0694	-.0064	950.
.0920	419.	2575.	372.	-2363.	-628.	3051.	.0259	.0052	.0117	.0240	-.0617	-.0011	1569.
.0930	417.	2965.	510.	-3561.	-583.	3153.	.0262	.0093	.0177	.0177	-.0549	.0025	1923.
.0940	188.	3439.	562.	-4343.	-529.	1979.	.0220	.0134	.0203	.0110	-.0486	.0032	1927.
.0950	-182.	3618.	520.	-4637.	-460.	-16.	.0145	.0175	.0195	.0041	-.0416	.0021	1870.
.0960	-544.	3261.	413.	-4591.	-378.	-1946.	.0057	.0213	.0159	-.0030	-.0338	.0017	2007.
.0970	-756.	2671.	290.	-4429.	-286.	-2974.	-.0022	.0249	.0105	-.0104	-.0252	.0044	2144.
.0980	-766.	2194.	217.	-4524.	-178.	-2819.	-.0080	.0286	.0044	-.0189	-.0143	.0103	2140.
.0990	-629.	1689.	255.	-5212.	-49.	-1849.	-.0115	.0324	-.0018	-.0294	-.0009	.0177	2219.
.1000	-453.	879.	394.	-6419.	89.	-739.	-.0135	.0365	-.0080	-.0415	.0136	.0240	2593.
.1010	-345.	-16.	556.	-7662.	219.	-139.	-.0149	.0408	-.0150	-.0536	.0261	.0267	3076.
.1020	-355.	-456.	648.	-8354.	320.	-372.	-.0161	.0454	-.0236	-.0633	.0332	.0247	3358.
.1030	-442.	-415.	600.	-8048.	373.	-1175.	-.0167	.0495	-.0337	-.0687	.0321	.0191	3267.
.1040	-496.	-501.	405.	-6660.	377.	-1883.	-.0158	.0524	-.0444	-.0686	.0230	.0122	2782.
.1050	-441.	-781.	157.	-4726.	349.	-2020.	-.0126	.0538	-.0537	-.0642	.0091	.0058	2067.
.1060	-268.	-859.	-8.	-3084.	314.	-1549.	-.0069	.0536	-.0593	-.0579	-.0050	.0000	1391.
.1070	-1.	-828.	10.	-2355.	298.	-596.	.0008	.0517	-.0597	-.0519	-.0150	-.0052	982.
.1080	288.	-1535.	234.	-2757.	302.	448.	.0092	.0482	-.0551	-.0475	-.0204	-.0106	1127.
.1090	561.	-2702.	552.	-3681.	335.	1417.	.0170	.0435	-.0468	-.0435	-.0210	-.0156	1589.
.1100	840.	-1212.	782.	-4083.	454.	2569.	.0218	.0387	-.0372	-.0370	-.0081	-.0175	1944.
.1110	826.	183.	937.	-4555.	571.	2653.	.0253	.0330	-.0283	-.0328	.0055	-.0211	2128.
.1120	804.	-1894.	1107.	-4821.	625.	1577.	.0247	.0256	-.0217	-.0314	.0112	-.0269	2051.
.1130	680.	-4436.	872.	-3125.	650.	676.	.0222	.0180	-.0191	-.0253	.0160	-.0293	1310.
.1140	602.	-3569.	264.	714.	699.	226.	.0189	.0121	-.0193	-.0127	.0235	-.0276	408.
.1150	480.	-1474.	-371.	4599.	699.	-421.	.0160	.0082	-.0193	-.0008	.0303	-.0261	1874.
.1160	364.	-1907.	-748.	6325.	709.	-999.	.0147	.0056	-.0161	.0048	.0387	-.0242	2782.
.1170	317.	-3487.	-832.	7249.	739.	-1092.	.0158	.0046	-.0085	.0047	.0505	-.0206	2957.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK

.1060	-267.	-1[illegible].	-[illegible].	-2084.	714.	-1547.	-.0039	.0536	-.0565	-.0579	-.0050	.0000	1391.
.1070	-1.	-828.	10.	-2355.	298.	-596.	.0008	.0517	-.0597	-.0519	-.0150	-.0052	982.
.1080	268.	-1535.	234.	-2757.	302.	448.	.0092	.0482	-.0551	-.0475	-.0204	-.0106	1127.
.1090	561.	-2702.	552.	-3621.	335.	1417.	.0170	.0435	-.0468	-.0435	-.0210	-.0156	1589.
.1100	840.	-1212.	702.	-4093.	454.	2569.	.0228	.0387	-.0372	-.0370	-.0081	-.0175	1944.
.1110	826.	133.	687.	-4556.	571.	2653.	.0257	.0330	-.0283	-.0328	.0055	-.0211	2128.
.1120	804.	-1894.	1107.	-4821.	625.	1577.	.0247	.0256	-.0217	-.0314	.0112	-.0269	2051.
.1130	680.	-4436.	672.	-3125.	653.	676.	.0222	.0180	-.0191	-.0253	.0160	-.0293	1310.
.1140	602.	-3569.	264.	714.	689.	226.	.0189	.0121	-.0193	-.0127	.0235	-.0276	408.
.1150	480.	-1474.	-371.	4599.	699.	-421.	.0160	.0082	-.0193	-.0008	.0303	-.0261	1874.
.1160	364.	-1997.	-745.	6325.	709.	-999.	.0147	.0056	-.0161	.0048	.0387	-.0242	2782.
.1170	317.	-3487.	-832.	7249.	739.	-1092.	.0158	.0046	-.0085	.0047	.0505	-.0206	2957.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1180	377.	-1360.	-734.	6609.	783.	-429.	.0193	.0061	.0024	.0020	.0647	-.0139	2676.
.1190	333.	827.	-387.	4333.	715.	-363.	.0241	.0090	.0150	-.0076	.0532	-.0098	1768.
.1200	264.	603.	15.	1540.	526.	-324.	.0297	.0121	.0265	-.0210	.0453	-.0051	673.
.1210	358.	-717.	87.	713.	315.	990.	.0355	.0163	.0341	-.0286	.0261	.0070	506.
.1220	305.	903.	-107.	1318.	76.	1570.	.0395	.0229	.0373	-.0331	.0037	.0178	823.
.1230	-6.	3695.	-397.	2309.	-158.	651.	.0411	.0312	.0375	-.0387	-.0187	.0239	965.
.1240	-480.	3789.	-651.	2784.	-355.	-1229.	.0412	.0393	.0365	-.0481	-.0378	.0266	1229.
.1250	-884.	2539.	-824.	2953.	-470.	-2665.	.0413	.0468	.0357	-.0587	-.0477	.0310	1607.
.1260	-1062.	3551.	-980.	2937.	-499.	-2731.	.0423	.0540	.0356	-.0691	-.0466	.0402	1622.
.1270	-1150.	5242.	-911.	1510.	-543.	-2412.	.0438	.0600	.0368	-.0846	-.0480	.0492	1162.
.1280	-1014.	4101.	-775.	-265.	-578.	-809.	.0453	.0636	.0381	-.1007	-.0476	.0625	413.
.1290	-746.	1554.	-758.	-1181.	-591.	1503.	.0451	.0651	.0379	-.1125	-.0446	.0784	803.
.1300	-646.	1222.	-860.	-1244.	-613.	2611.	.0409	.0655	.0353	-.1203	-.0454	.0892	1186.
.1310	-803.	2169.	-981.	-1053.	-642.	1920.	.0324	.0643	.0311	-.1264	-.0517	.0923	916.
.1320	-1195.	1334.	-956.	-1633.	-699.	-505.	.0207	.0606	.0262	-.1347	-.0569	.0869	741.
.1330	-1477.	-378.	-871.	-2349.	-722.	-2499.	.0090	.0547	.0216	-.1415	-.0800	.0810	1406.
.1340	-1497.	-70.	-733.	-3120.	-705.	-3151.	-.0005	.0475	.0179	-.1459	-.0871	.0775	1804.
.1350	-1250.	1149.	-503.	-4273.	-671.	-2440.	-.0067	.0391	.0154	-.1493	-.0896	.0757	1981.
.1360	-766.	261.	-252.	-5269.	-607.	-471.	-.0097	.0288	.0136	-.1503	-.0851	.0759	2137.
.1370	-349.	-1689.	19.	-6314.	-545.	868.	-.0111	.0176	.0116	-.1507	-.0802	.0709	2567.
.1380	-108.	-1795.	214.	-6844.	-474.	1020.	-.0120	.0071	.0085	-.1489	-.0749	.0594	2783.
.1390	-49.	-729.	333.	-6929.	-430.	24.	-.0125	-.0021	.0038	-.1461	-.0749	.0426	2786.
.1400	14.	-1175.	332.	-6330.	-428.	-854.	-.0117	-.0105	-.0024	-.1415	-.0811	.0262	2569.
.1410	281.	-2616.	148.	-4622.	-443.	-258.	-.0081	-.0177	-.0096	-.1328	-.0873	.0163	1866.
.1420	564.	-2575.	-37.	-2982.	-520.	597.	-.0023	-.0227	-.0161	-.1245	-.0984	.0078	1238.
.1430	810.	-1685.	-152.	-1825.	-670.	1415.	.0053	-.0256	-.0205	-.1177	-.1104	-.0002	961.
.1440	1007.	-2155.	-205.	-1086.	-725.	2163.	.0142	-.0269	-.0220	-.1116	-.1180	-.0070	1013.
.1450	1153.	-3337.	-257.	-344.	-755.	2860.	.0235	-.0263	-.0208	-.1041	-.1157	-.0118	1195.
.1460	1224.	-3123.	-338.	557.	-711.	3361.	.0322	-.0229	-.0173	-.0949	-.1029	-.0148	1397.
.1470	1093.	-1974.	-363.	1009.	-685.	2832.	.0391	-.0173	-.0119	-.0872	-.0921	-.0193	1237.
.1480	947.	-1777.	-443.	1735.	-676.	2429.	.0443	-.0104	-.0059	-.0784	-.0828	-.0200	1228.
.1490	309.	-1909.	-604.	2893.	-693.	2343.	.0474	-.0023	.0004	-.0678	-.0761	-.0163	1520.
.1500	604.	-643.	-769.	4001.	-737.	1946.	.0479	.0072	.0070	-.0576	-.0732	-.0112	1810.
.1510	357.	1208.	-900.	4850.	-761.	1340.	.0454	.0173	.0143	-.0481	-.0589	-.0048	2042.
.1520	-1.	1740.	-901.	4854.	-759.	79.	.0403	.0271	.0227	-.0418	-.0629	.0003	1972.
.1530	-374.	1316.	-820.	4327.	-699.	-1375.	.0336	.0362	.0316	-.0373	-.0505	.0049	1843.
.1540	-747.	1611.	-692.	3479.	-611.	-2960.	.0262	.0445	.0400	-.0344	-.0349	.0082	1849.
.1550	-961.	2345.	-629.	3005.	-502.	-3749.	.0194	.0516	.0466	-.0303	-.0169	.0136	1944.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE

.1440	1007.	-2105.	-233.	-1006.	-23.	2165.	.0142	-.0269	-.0220	-.1116	-.1180	-.0070	1013.
.1450	1157.	-2337.	-237.	-344.	-755.	2860.	.0235	-.0263	-.0208	-.1041	-.1157	-.0118	1195.
.1460	1224.	-2123.	-338.	557.	-711.	3361.	.0322	-.0229	-.0173	-.0949	-.1029	-.0148	1397.
.1470	1093.	-1974.	-363.	1009.	-635.	2832.	.0391	-.0173	-.0119	-.0872	-.0921	-.0193	1237.
.1480	947.	-1777.	-447.	1735.	-676.	2429.	.0443	-.0104	-.0059	-.0784	-.0828	-.0200	1228.
.1490	809.	-1909.	-604.	2893.	-693.	2343.	.0474	-.0023	.0004	-.0678	-.0761	-.0163	1520.
.1500	604.	-643.	-769.	4001.	-737.	1946.	.0479	.0072	.0070	-.0576	-.0732	-.0112	1810.
.1510	357.	1208.	-900.	4850.	-761.	1340.	.0454	.0173	.0143	-.0481	-.0589	-.0048	2042.
.1520	-1.	1740.	-901.	4854.	-759.	79.	.0403	.0271	.0227	-.0418	-.0629	.0003	1972.
.1530	-374.	1316.	-820.	4327.	-699.	-1375.	.0336	.0362	.0316	-.0373	-.0505	.0049	1843.
.1540	-743.	1616.	-692.	3479.	-611.	-2960.	.0262	.0445	.0400	-.0344	-.0349	.0082	1849.
.1550	-961.	2345.	-629.	3025.	-502.	-3749.	.0194	.0516	.0466	-.0303	-.0169	.0136	1944.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1560	-876.	2097.	-732.	3637.	-345.	-2730.	.0136	.0567	.0505	-.0224	.0078	.0254	1830.
.1570	-741.	1354.	-859.	4337.	-190.	-1526.	.0079	.0599	.0516	-.0150	.0307	.0368	1866.
.1580	-674.	1408.	-997.	5237.	-29.	-842.	.0014	.0614	.0500	-.0078	.0522	.0450	2129.
.1590	-694.	1767.	-1142.	6226.	143.	-758.	-.0063	.0607	.0464	-.0001	.0727	.0501	2517.
.1600	-869.	1338.	-1176.	6627.	281.	-1724.	-.0148	.0574	.0416	.0056	.0864	.0499	2750.
.1610	-1091.	434.	-1091.	6434.	377.	-3079.	-.0228	.0519	.0366	.0099	.0934	.0463	2866.
.1620	-1125.	139.	-989.	6322.	468.	-3349.	-.0276	.0447	.0318	.0162	.0998	.0453	2877.
.1630	-1022.	385.	-784.	5710.	517.	-2908.	-.0318	.0363	.0278	.0217	.1009	.0445	2580.
.1640	-779.	165.	-496.	4665.	534.	-1731.	-.0324	.0268	.0246	.0266	.0980	.0443	2008.
.1650	-437.	-469.	-195.	3575.	546.	-67.	-.0315	.0167	.0218	.0316	.0946	.0442	1452.
.1660	-190.	-614.	122.	2301.	533.	870.	-.0303	.0068	.0188	.0353	.0877	.0397	1010.
.1670	-10.	-431.	361.	1396.	522.	1308.	-.0299	-.0024	.0150	.0392	.0815	.0326	796.
.1680	98.	-705.	507.	883.	499.	1246.	-.0305	-.0106	.0102	.0429	.0747	.0236	645.
.1690	212.	-1365.	527.	959.	475.	1206.	-.0318	-.0172	.0045	.0474	.0695	.0151	647.
.1700	320.	-1567.	471.	1328.	440.	1107.	-.0337	-.0217	-.0014	.0514	.0647	.0067	716.
.1710	381.	-1231.	413.	1543.	379.	699.	-.0360	-.0240	-.0065	.0538	.0574	-.0026	697.
.1720	551.	-1208.	294.	2062.	353.	1046.	-.0379	-.0243	-.0100	.0574	.0557	-.0079	939.
.1730	684.	-1586.	246.	2077.	339.	1218.	-.0396	-.0225	-.0112	.0593	.0553	-.0132	976.
.1740	723.	-1722.	292.	1460.	340.	888.	-.0413	-.0186	-.0100	.0589	.0563	-.0196	699.
.1750	711.	-1423.	366.	666.	354.	398.	-.0427	-.0128	-.0071	.0582	.0589	-.0253	342.
.1760	616.	-1090.	459.	-278.	337.	-447.	-.0437	-.0056	-.0033	.0569	.0566	-.0313	251.
.1770	538.	-886.	478.	-768.	298.	-964.	-.0438	.0025	.0004	.0571	.0509	-.0345	509.
.1780	445.	-375.	428.	-833.	224.	-1369.	-.0428	.0112	.0033	.0587	.0390	-.0360	649.
.1790	375.	441.	298.	-365.	144.	-1405.	-.0409	.0201	.0055	.0622	.0244	-.0346	585.
.1800	280.	1073.	174.	112.	71.	-1406.	-.0385	.0285	.0075	.0659	.0081	-.0319	567.
.1810	64.	1462.	165.	-87.	-10.	-2045.	-.0359	.0362	.0098	.0669	-.0114	-.0313	821.
.1820	-108.	1910.	175.	-303.	-47.	-2272.	-.0329	.0426	.0123	.0685	-.0257	-.0281	920.
.1830	-236.	2426.	228.	-702.	-60.	-2165.	-.0298	.0476	.0148	.0698	-.0362	-.0232	914.
.1840	-334.	2535.	348.	-1453.	-68.	-1871.	-.0271	.0506	.0167	.0696	-.0452	-.0175	951.
.1850	-396.	2205.	485.	-2305.	-68.	-1407.	-.0252	.0515	.0175	.0685	-.0525	-.0111	1084.
.1860	-452.	1968.	589.	-2928.	-61.	-1015.	-.0247	.0506	.0161	.0674	-.0587	-.0054	1244.
.1870	-440.	1898.	572.	-2778.	-19.	-389.	-.0256	.0479	.0124	.0686	-.0603	.0009	1126.
.1880	-481.	1672.	509.	-2317.	27.	-206.	-.0264	.0436	.0067	.0703	-.0612	.0045	934.
.1890	-526.	1243.	420.	-1644.	78.	-347.	-.0324	.0378	-.0001	.0725	-.0601	.0055	675.
.1900	-521.	979.	328.	-855.	139.	-436.	-.0370	.0309	-.0079	.0757	-.0549	.0050	389.
.1910	-471.	943.	315.	-447.	186.	-517.	-.0415	.0231	-.0127	.0782	-.0488	.0025	284.
.1920	-276.	678.	357.	-251.	224.	91.	-.0451	.0147	-.0167	.0813	-.0400	.0012	142.
.1930	39.	205.	456.	-299.	231.	1299.	-.0481	.0061	-.0189	.0847	-.0295	.0010	547.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

.1830	-236.	2426.	238.	-702.	-60.	-2165.	-.0298	.0476	.0149	.0698	-.0362	-.0232	914.
.1840	-234.	2575.	246.	-1453.	-60.	-1671.	-.0271	.0506	.0167	.0696	-.0452	-.0175	951.
.1850	-396.	2205.	425.	-2305.	-68.	-1407.	-.0252	.0515	.0175	.0685	-.0525	-.0111	1084.
.1860	-452.	1948.	589.	-2925.	-61.	-1015.	-.0247	.0506	.0161	.0674	-.0587	-.0054	1244.
.1870	-440.	1898.	677.	-2778.	-15.	-389.	-.0256	.0479	.0124	.0636	-.0503	.0009	1126.
.1880	-461.	1672.	599.	-2317.	27.	-206.	-.0284	.0436	.0067	.0703	-.0512	.0045	934.
.1890	-526.	1243.	420.	-1644.	78.	-347.	-.0324	.0378	-.0001	.0725	-.0601	.0055	675.
.1900	-521.	978.	328.	-855.	139.	-436.	-.0370	.0309	-.0069	.0757	-.0549	.0050	389.
.1910	-471.	943.	315.	-447.	186.	-517.	-.0415	.0231	-.0127	.0782	-.0488	.0025	284.
.1920	-274.	698.	757.	-211.	234.	91.	-.0451	.0147	-.0167	.0813	-.0400	.0012	142.
.1930	38.	235.	406.	-299.	281.	1299.	-.0481	.0061	-.0189	.0847	-.0295	.0010	547.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 215 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1940	359.	-133.	619.	-677.	321.	2469.	-.0510	-.0022	-.0193	.0876	-.0187	.0002	1035.
.1950	593.	-193.	807.	-1221.	354.	3094.	-.0545	-.0096	-.0185	.0900	-.0078	-.0027	1342.
.1960	697.	-250.	971.	-1670.	378.	2981.	-.0589	-.0160	-.0171	.0922	.0035	-.0078	1380.
.1970	676.	-374.	1077.	-1978.	392.	2196.	-.0638	-.0211	-.0157	.0943	.0152	-.0147	1170.
.1980	587.	-396.	1103.	-1752.	406.	1119.	-.0684	-.0246	-.0145	.0963	.0285	-.0219	850.
.1990	508.	-374.	1045.	-1279.	429.	230.	-.0714	-.0265	-.0134	.0981	.0437	-.0280	549.
.2000	471.	-513.	930.	-633.	459.	-287.	-.0723	-.0269	-.0121	.0991	.0599	-.0324	334.
.2010	470.	-747.	791.	0.	492.	-500.	-.0708	-.0258	-.0103	.0987	.0758	-.0358	282.
.2020	495.	-852.	635.	603.	533.	-482.	-.0671	-.0231	-.0081	.0971	.0915	-.0385	376.
.2030	517.	-826.	477.	1110.	575.	-413.	-.0617	-.0190	-.0053	.0944	.1062	-.0409	528.
.2040	493.	-831.	351.	1340.	603.	-587.	-.0553	-.0138	-.0023	.0898	.1173	-.0442	635.
.2050	421.	-839.	250.	1354.	606.	-1013.	-.0484	-.0077	.0008	.0837	.1231	-.0481	721.
.2060	347.	-678.	131.	1473.	591.	-1402.	-.0412	-.0012	.0034	.0777	.1240	-.0513	850.
.2070	295.	-352.	-16.	1010.	563.	-1601.	-.0340	.0054	.0054	.0726	.1208	-.0530	996.
.2080	246.	-12.	-153.	2156.	530.	-1737.	-.0270	.0118	.0071	.0679	.1145	-.0537	1131.
.2090	188.	319.	-251.	2365.	505.	-1892.	-.0207	.0177	.0088	.0633	.1078	-.0537	1232.
.2100	126.	714.	-312.	2495.	505.	-2021.	-.0153	.0232	.0106	.0595	.1038	-.0525	1304.
.2110	53.	1137.	-338.	2563.	528.	-2160.	-.0111	.0279	.0127	.0567	.1025	-.0503	1362.
.2120	-37.	1476.	-325.	2547.	561.	-2340.	-.0084	.0317	.0148	.0546	.1024	-.0471	1406.
.2130	-131.	1733.	-286.	2499.	594.	-2481.	-.0073	.0343	.0167	.0534	.1020	-.0426	1433.
.2140	-219.	1925.	-232.	2479.	618.	-2517.	-.0075	.0358	.0182	.0529	.1003	-.0366	1439.
.2150	-303.	1920.	-170.	2484.	624.	-2432.	-.0092	.0361	.0191	.0529	.0965	-.0295	1431.
.2160	-392.	1623.	-104.	2513.	609.	-2461.	-.0120	.0353	.0193	.0530	.0903	-.0220	1432.
.2170	-496.	1201.	-38.	2563.	575.	-2552.	-.0155	.0335	.0190	.0530	.0825	-.0151	1469.
.2180	-615.	905.	35.	2597.	527.	-2819.	-.0191	.0309	.0182	.0525	.0740	-.0098	1542.
.2190	-724.	725.	125.	2400.	471.	-3148.	-.0223	.0278	.0172	.0508	.0654	-.0061	1602.
.2200	-772.	453.	223.	2147.	412.	-3247.	-.0241	.0242	.0159	.0479	.0573	-.0035	1571.
.2210	-723.	57.	307.	1880.	349.	-2917.	-.0242	.0202	.0142	.0439	.0493	-.0013	1400.
.2220	-588.	-308.	362.	1685.	277.	-2227.	-.0227	.0160	.0119	.0389	.0407	.0002	1126.
.2230	-409.	-581.	381.	1572.	192.	-1424.	-.0200	.0120	.0088	.0327	.0303	.0004	854.
.2240	-233.	-749.	372.	1427.	90.	-779.	-.0163	.0081	.0052	.0249	.0178	-.0015	673.
.2250	-91.	-1143.	346.	1347.	-25.	-445.	-.0134	.0048	.0010	.0153	.0031	-.0056	569.
.2260	23.	-1374.	305.	1142.	-143.	-344.	-.0099	.0021	-.0033	.0041	-.0127	-.0112	490.
.2270	137.	-1522.	248.	943.	-255.	-264.	-.0064	.0001	-.0075	-.0084	-.0286	-.0170	406.
.2280	273.	-1650.	173.	687.	-355.	-36.	-.0027	-.0011	-.0112	-.0219	-.0439	-.0219	310.
.2290	433.	-1754.	94.	426.	-438.	408.	.0011	-.0015	-.0141	-.0358	-.0580	-.0253	295.
.2300	606.	-1773.	-13.	240.	-496.	1076.	.0047	-.0012	-.0160	-.0496	-.0595	-.0269	472.
.2310	756.	-1721.	-100.	131.	-526.	1659.	.0077	-.0001	-.0169	-.0628	-.0777	-.0269	702.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1571.
.2210	-727.	57.	307.	1880.	349.	-2917.	-.0242	.0202	.0142	.0439	.0493	-.0013	1400.
.2220	-588.	-308.	362.	1635.	277.	-2227.	-.0227	.0160	.0119	.0389	.0407	.0002	1126.
.2230	-409.	-591.	381.	1572.	192.	-1424.	-.0200	.0120	.0088	.0327	.0303	.0004	854.
.2240	-233.	-849.	370.	1421.	90.	-779.	-.0163	.0081	.0052	.0249	.0178	-.0015	673.
.2250	-91.	-1143.	346.	1347.	-25.	-445.	-.0134	.0048	.0010	.0153	.0071	-.0056	569.
.2260	27.	-1374.	305.	1162.	-143.	-344.	-.0099	.0021	-.0033	.0041	-.0127	-.0112	490.
.2270	137.	-1522.	248.	943.	-255.	-254.	-.0064	.0001	-.0075	-.0084	-.0286	-.0170	406.
.2280	277.	-1650.	175.	687.	-355.	-36.	-.0027	-.0011	-.0112	-.0219	-.0439	-.0219	310.
.2290	433.	-1754.	94.	426.	-448.	408.	.0011	-.0015	-.0141	-.0358	-.0580	-.0253	295.
.2300	606.	-1773.	-15.	245.	-496.	1076.	.0047	-.0012	-.0160	-.0496	-.0595	-.0269	472.
.2310	756.	-1721.	-100.	181.	-526.	1659.	.0077	-.0001	-.0169	-.0628	-.0777	-.0269	702.

S/RV PIPING KEWAUNEE GKW03F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2320	834.	-1684.	-301.	175.	-531.	2004.	.0095	.0016	-.0165	-.0753	-.0830	-.0260	835.
.2330	820.	-1548.	-461.	224.	-516.	1958.	.0098	.0039	-.0147	-.0860	-.0861	-.0244	817.
.2340	727.	-1286.	-629.	341.	-485.	1604.	.0087	.0067	-.0116	-.0969	-.0878	-.0220	686.
.2350	581.	-937.	-785.	448.	-445.	1075.	.0067	.0098	-.0069	-.1056	-.0887	-.0184	500.
.2360	407.	-611.	-908.	430.	-402.	496.	.0042	.0131	-.0006	-.1131	-.0895	-.0136	309.
.2370	234.	-275.	-992.	273.	-356.	4.	.0018	.0165	.0072	-.1192	-.0895	-.0076	180.
.2380	79.	176.	-1042.	37.	-305.	-347.	-.0001	.0198	.0161	-.1237	-.0877	-.0009	186.
.2390	-64.	671.	-1064.	-245.	-247.	-628.	-.0014	.0229	.0256	-.1265	-.0836	.0060	288.
.2400	-200.	1019.	-1066.	-517.	-187.	-906.	-.0020	.0256	.0350	-.1278	-.0775	.0122	425.
.2410	-324.	1203.	-1065.	-671.	-124.	-1159.	-.0018	.0279	.0434	-.1275	-.0594	.0179	540.
.2420	-424.	1362.	-1078.	-615.	-60.	-1332.	-.0009	.0296	.0503	-.1255	-.0599	.0230	589.
.2430	-494.	1558.	-1109.	-312.	-0.	-1378.	.0006	.0308	.0550	-.1218	-.0495	.0278	567.
.2440	-533.	1684.	-1157.	230.	53.	-1296.	.0025	.0314	.0574	-.1167	-.0384	.0322	529.
.2450	-561.	1652.	-1198.	881.	97.	-1202.	.0046	.0313	.0576	-.1104	-.0272	.0359	599.
.2460	-598.	1521.	-1201.	1429.	128.	-1227.	.0069	.0304	.0560	-.1039	-.0162	.0382	758.
.2470	-637.	1360.	-1137.	1703.	148.	-1328.	.0092	.0289	.0530	-.0979	-.0059	.0393	869.
.2480	-646.	1201.	-1013.	1718.	162.	-1298.	.0119	.0268	.0488	-.0922	.0039	.0401	866.
.2490	-614.	1057.	-852.	1580.	172.	-1062.	.0148	.0241	.0437	-.0867	.0132	.0409	767.
.2500	-563.	858.	-664.	1316.	174.	-766.	.0179	.0209	.0376	-.0815	.0210	.0412	615.
.2510	-519.	573.	-465.	965.	165.	-569.	.0210	.0174	.0308	-.0770	.0267	.0402	454.
.2520	-480.	287.	-282.	636.	144.	-477.	.0239	.0136	.0233	-.0729	.0300	.0381	324.
.2530	-435.	58.	-136.	422.	113.	-401.	.0267	.0098	.0153	-.0692	.0309	.0353	241.
.2540	-371.	-196.	-33.	347.	75.	-259.	.0295	.0061	.0072	-.0659	.0296	.0323	176.
.2550	-286.	-521.	42.	273.	34.	-39.	.0323	.0026	-.0004	-.0636	.0265	.0290	111.
.2560	-191.	-868.	108.	77.	-4.	194.	.0351	-.0006	-.0072	-.0625	.0220	.0253	84.
.2570	-97.	-1238.	174.	-291.	-39.	388.	.0379	-.0034	-.0128	-.0630	.0165	.0212	195.
.2580	-2.	-1493.	227.	-744.	-71.	566.	.0406	-.0058	-.0171	-.0645	.0103	.0169	376.
.2590	93.	-1563.	254.	-1178.	-99.	759.	.0431	-.0080	-.0203	-.0666	.0040	.0129	564.
.2600	180.	-1635.	257.	-1597.	-126.	927.	.0455	-.0100	-.0225	-.0692	-.0027	.0091	743.
.2610	246.	-1984.	244.	-2025.	-154.	1023.	.0476	-.0121	-.0239	-.0724	-.0101	.0056	912.
.2620	293.	-2204.	211.	-2409.	-183.	1064.	.0495	-.0140	-.0248	-.0759	-.0177	.0026	1059.
.2630	324.	-2185.	157.	-2607.	-215.	1099.	.0512	-.0159	-.0253	-.0792	-.0256	.0004	1172.
.2640	342.	-2124.	91.	-2825.	-254.	1151.	.0528	-.0178	-.0256	-.0824	-.0339	-.0009	1265.
.2650	348.	-2054.	28.	-3153.	-302.	1226.	.0544	-.0198	-.0256	-.0855	-.0423	-.0012	1363.
.2660	342.	-1948.	-24.	-3404.	-357.	1324.	.0560	-.0217	-.0258	-.0883	-.0506	-.0006	1473.
.2670	326.	-1776.	-64.	-3661.	-419.	1447.	.0576	-.0235	-.0257	-.0907	-.0586	.0009	1589.
.2680	304.	-1387.	-98.	-3873.	-489.	1615.	.0593	-.0253	-.0257	-.0927	-.0663	.0032	1695.
.2690	279.	-1174.	-125.	-4042.	-569.	1836.	.0609	-.0270	-.0257	-.0930	-.0737	.0063	1796.

S/RV PIPING KEWAUNEE GKW03F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.2590	97.	-1582.	254.	-1178.	-99.	759.	.0431	-.0080	-.0203	-.0666	.0040	.0129	564.
.2600	160.	-1655.	257.	-1507.	-126.	927.	.0455	-.0100	-.0225	-.0692	-.0027	.0091	743.
.2610	246.	-1784.	244.	-2025.	-154.	1023.	.0476	-.0121	-.0239	-.0724	-.0101	.0056	912.
.2620	297.	-2204.	211.	-2470.	-187.	1064.	.0495	-.0140	-.0248	-.0759	-.0177	.0026	1059.
.2630	364.	-2185.	157.	-2657.	-215.	1099.	.0512	-.0155	-.0252	-.0792	-.0256	.0004	1172.
.2640	742.	-2124.	91.	-2925.	-224.	1151.	.0528	-.0170	-.0256	-.0824	-.0339	-.0009	1265.
.2650	248.	-2054.	28.	-3153.	-302.	1226.	.0544	-.0198	-.0258	-.0855	-.0423	-.0012	1363.
.2660	742.	-1946.	-24.	-3404.	-357.	1324.	.0560	-.0217	-.0258	-.0883	-.0506	-.0006	1473.
.2670	326.	-1776.	-64.	-3661.	-419.	1447.	.0576	-.0235	-.0257	-.0907	-.0586	.0009	1589.
.2680	704.	-1587.	-99.	-3875.	-489.	1615.	.0593	-.0253	-.0257	-.0927	-.0663	.0032	1695.
.2690	279.	-1194.	-125.	-4042.	-569.	1876.	.0609	-.0270	-.0257	-.0936	-.0737	.0063	1796.

S/RV PIPING NEWAUNEE OKWOBF 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2700	250.	-1156.	-106.	-4224.	-659.	2083.	.0625	-.0286	-.0257	-.0930	-.0811	.0101	1908.
.2710	214.	-1202.	-109.	-4438.	-753.	2320.	.0637	-.0298	-.0257	-.0924	-.0880	.0143	2032.
.2720	170.	-762.	-114.	-4636.	-844.	2532.	.0645	-.0304	-.0258	-.0911	-.0937	.0188	2147.
.2730	119.	76.	-94.	-4797.	-927.	2699.	.0646	-.0305	-.0259	-.0888	-.0980	.0234	2240.
.2740	59.	538.	-65.	-4964.	-1001.	2796.	.0640	-.0306	-.0259	-.0859	-.1014	.0279	2321.
.2750	-2.	403.	-31.	-5109.	-1061.	2846.	.0628	-.0308	-.0260	-.0822	-.1037	.0322	2385.
.2760	-54.	350.	-5.	-5139.	-1101.	2902.	.0609	-.0308	-.0260	-.0774	-.1044	.0364	2409.
.2770	-89.	797.	10.	-5043.	-1119.	3000.	.0585	-.0306	-.0260	-.0713	-.1036	.0405	2397.
.2780	-102.	1186.	32.	-4924.	-1117.	3169.	.0554	-.0304	-.0259	-.0642	-.1018	.0446	2392.
.2790	-92.	986.	79.	-4886.	-1091.	3409.	.0518	-.0303	-.0254	-.0568	-.0992	.0486	2431.
.2800	-76.	692.	154.	-4950.	-1037.	3633.	.0476	-.0300	-.0248	-.0490	-.0959	.0522	2499.
.2810	-68.	950.	251.	-5086.	-954.	3735.	.0427	-.0295	-.0241	-.0410	-.0921	.0550	2561.
.2820	-73.	1439.	365.	-5261.	-844.	3706.	.0372	-.0287	-.0236	-.0327	-.0878	.0568	2604.
.2830	-81.	1436.	485.	-5433.	-712.	3595.	.0314	-.0281	-.0235	-.0244	-.0830	.0579	2630.
.2840	-92.	997.	590.	-5530.	-561.	3397.	.0256	-.0276	-.0240	-.0160	-.0777	.0579	2614.
.2850	-109.	757.	689.	-5475.	-395.	3092.	.0202	-.0269	-.0251	-.0073	-.0718	.0565	2528.
.2860	-118.	834.	753.	-5258.	-215.	2742.	.0154	-.0259	-.0269	.0016	-.0654	.0539	2381.
.2870	-107.	773.	802.	-4960.	-27.	2434.	.0119	-.0248	-.0292	.0102	-.0588	.0501	2217.
.2880	-71.	474.	847.	-4678.	162.	2137.	.0097	-.0234	-.0317	.0180	-.0526	.0452	2073.
.2890	-15.	153.	893.	-4456.	342.	1973.	.0091	-.0217	-.0344	.0248	-.0472	.0390	1960.
.2900	55.	77.	927.	-4285.	503.	1781.	.0100	-.0197	-.0371	.0306	-.0433	.0318	1873.
.2910	137.	6.	972.	-4139.	637.	1613.	.0122	-.0173	-.0398	.0352	-.0412	.0237	1801.
.2920	224.	-143.	987.	-3963.	740.	1451.	.0155	-.0149	-.0425	.0390	-.0410	.0151	1719.
.2930	306.	-273.	974.	-3698.	811.	1274.	.0197	-.0123	-.0452	.0422	-.0421	.0062	1603.
.2940	379.	-412.	931.	-3332.	855.	1085.	.0243	-.0098	-.0477	.0450	-.0439	-.0024	1447.
.2950	447.	-642.	866.	-2891.	877.	913.	.0292	-.0073	-.0498	.0474	-.0452	-.0103	1266.
.2960	496.	-798.	784.	-2396.	888.	784.	.0339	-.0047	-.0513	.0496	-.0451	-.0169	1072.
.2970	534.	-711.	697.	-1881.	888.	694.	.0381	-.0023	-.0520	.0518	-.0430	-.0219	880.
.2980	549.	-581.	615.	-1407.	879.	616.	.0415	-.0001	-.0518	.0538	-.0388	-.0252	710.
.2990	535.	-665.	545.	-994.	859.	518.	.0438	.0016	-.0506	.0558	-.0330	-.0265	567.
.3000	488.	-815.	481.	-556.	833.	374.	.0447	.0027	-.0486	.0580	-.0258	-.0261	435.
.3010	405.	-727.	417.	-113.	802.	158.	.0444	.0034	-.0459	.0608	-.0177	-.0240	331.
.3020	290.	-512.	340.	429.	766.	-125.	.0427	.0035	-.0426	.0641	-.0095	-.0205	356.
.3030	158.	-512.	268.	1002.	726.	-421.	.0400	.0029	-.0389	.0679	-.0016	-.0157	525.
.3040	25.	-669.	202.	1576.	687.	-661.	.0367	.0016	-.0346	.0719	.0063	-.0098	739.
.3050	-97.	-630.	143.	2123.	654.	-798.	.0330	-.0001	-.0298	.0760	.0143	-.0031	947.
.3060	-167.	-267.	87.	2600.	631.	-809.	.0292	-.0022	-.0246	.0800	.0223	.0042	1122.
.3070	-272.	-103.	67.	2967.	617.	-695.	.0256	-.0048	-.0192	.0834	.0302	.0118	1248.

S/RV PIPING NEWAUNEE OKWOBF 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.2960	496.	-742.	734.	-2298.	808.	784.	.0330	-.0047	-.0513	.0496	-.0451	-.0169	1072.
.2970	534.	-711.	697.	-1881.	888.	694.	.0381	-.0023	-.0520	.0518	-.0430	-.0219	880.
.2980	549.	-581.	615.	-1407.	879.	616.	.0415	-.0001	-.0518	.0538	-.0388	-.0252	710.
.2990	535.	-665.	545.	-994.	859.	518.	.0438	.0016	-.0506	.0558	-.0330	-.0265	567.
.3000	489.	-815.	471.	-556.	833.	374.	.0447	.0027	-.0486	.0580	-.0258	-.0261	435.
.3010	405.	-727.	413.	-113.	802.	158.	.0444	.0034	-.0459	.0600	-.0177	-.0240	331.
.3020	290.	-512.	340.	429.	766.	-125.	.0427	.0035	-.0426	.0641	-.0095	-.0205	356.
.3030	158.	-512.	268.	1002.	726.	-421.	.0400	.0029	-.0389	.0679	-.0016	-.0157	525.
.3040	25.	-669.	202.	1576.	687.	-661.	.0367	.0016	-.0346	.0719	.0063	-.0098	739.
.3050	-97.	-630.	143.	2123.	654.	-798.	.0330	-.0001	-.0298	.0760	.0143	-.0031	947.
.3060	-197.	-367.	97.	2600.	631.	-859.	.0292	-.0022	-.0246	.0800	.0223	.0042	1122.
.3070	-272.	-193.	67.	2967.	617.	-835.	.0256	-.0048	-.0192	.0834	.0302	.0118	1248.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.3080	-329.	-260.	45.	3238.	613.	-508.	.0221	-.0079	-.0139	.0860	.0374	.0191	1338.
.3090	-377.	-359.	20.	3470.	618.	-331.	.0188	-.0112	-.0089	.0879	.0438	.0257	1421.
.3100	-426.	-357.	-18.	3707.	628.	-227.	.0155	-.0146	-.0045	.0890	.0487	.0313	1511.
.3110	-476.	-343.	-71.	3952.	642.	-200.	.0122	-.0178	-.0009	.0893	.0518	.0357	1609.
.3120	-519.	-369.	-135.	4187.	655.	-215.	.0091	-.0208	.0019	.0886	.0531	.0390	1703.
.3130	-549.	-374.	-203.	4372.	669.	-229.	.0062	-.0234	.0040	.0871	.0529	.0413	1777.
.3140	-559.	-363.	-260.	4446.	683.	-208.	.0035	-.0255	.0056	.0847	.0513	.0427	1807.
.3150	-547.	-405.	-296.	4355.	695.	-140.	.0011	-.0271	.0068	.0813	.0487	.0431	1771.
.3160	-515.	-451.	-308.	4109.	707.	-32.	-.0012	-.0280	.0078	.0772	.0453	.0428	1673.
.3170	-467.	-421.	-304.	3779.	715.	91.	-.0035	-.0283	.0084	.0728	.0414	.0415	1544.
.3180	-411.	-392.	-292.	3427.	714.	188.	-.0059	-.0279	.0087	.0685	.0368	.0394	1407.
.3190	-357.	-454.	-276.	3094.	702.	211.	-.0087	-.0269	.0086	.0645	.0314	.0365	1276.
.3200	-310.	-471.	-260.	2812.	680.	120.	-.0119	-.0253	.0081	.0611	.0255	.0326	1162.
.3210	-271.	-248.	-243.	2589.	650.	-58.	-.0155	-.0231	.0074	.0583	.0193	.0279	1071.
.3220	-236.	113.	-216.	2376.	614.	-313.	-.0193	-.0205	.0068	.0563	.0133	.0226	993.
.3230	-198.	342.	-167.	2097.	573.	-599.	-.0232	-.0177	.0065	.0546	.0077	.0168	905.
.3240	-155.	435.	-94.	1728.	530.	-886.	-.0270	-.0151	.0065	.0532	.0031	.0106	808.
.3250	-106.	603.	-3.	1304.	486.	-1160.	-.0304	-.0126	.0069	.0521	-.0003	.0042	727.
.3260	-52.	873.	91.	885.	443.	-1416.	-.0334	-.0104	.0075	.0514	-.0025	-.0024	693.
.3270	7.	1009.	175.	541.	398.	-1630.	-.0357	-.0088	.0081	.0511	-.0040	-.0090	708.
.3280	70.	915.	233.	351.	355.	-1785.	-.0372	-.0079	.0085	.0511	-.0049	-.0153	744.
.3290	131.	799.	258.	351.	314.	-1900.	-.0380	-.0077	.0085	.0516	-.0052	-.0213	785.
.3300	181.	809.	253.	506.	277.	-2006.	-.0380	-.0082	.0082	.0524	-.0052	-.0270	838.
.3310	222.	821.	231.	742.	243.	-2086.	-.0372	-.0096	.0077	.0531	-.0049	-.0322	894.
.3320	257.	665.	204.	989.	214.	-2097.	-.0355	-.0119	.0071	.0536	-.0041	-.0366	934.
.3330	287.	394.	183.	1188.	190.	-2022.	-.0330	-.0151	.0065	.0537	-.0026	-.0400	944.
.3340	309.	172.	172.	1312.	173.	-1881.	-.0298	-.0190	.0061	.0533	-.0002	-.0424	923.
.3350	320.	2.	172.	1366.	161.	-1692.	-.0262	-.0234	.0059	.0524	.0027	-.0437	875.
.3360	319.	-195.	174.	1394.	153.	-1464.	-.0223	-.0281	.0056	.0512	.0062	-.0441	814.
.3370	306.	-400.	168.	1456.	150.	-1215.	-.0184	-.0331	.0053	.0498	.0100	-.0434	763.
.3380	279.	-541.	146.	1595.	147.	-970.	-.0146	-.0380	.0048	.0484	.0142	-.0420	751.
.3390	239.	-616.	108.	1802.	143.	-749.	-.0111	-.0427	.0042	.0468	.0186	-.0399	785.
.3400	190.	-631.	60.	2036.	137.	-556.	-.0081	-.0469	.0036	.0451	.0234	-.0374	849.
.3410	138.	-750.	8.	2260.	129.	-368.	-.0055	-.0507	.0032	.0430	.0288	-.0344	920.
.3420	91.	-807.	-46.	2453.	118.	-168.	-.0033	-.0538	.0030	.0407	.0347	-.0312	988.
.3430	50.	-862.	-98.	2590.	103.	36.	-.0017	-.0562	.0033	.0380	.0409	-.0279	1040.
.3440	12.	-923.	-145.	2655.	83.	211.	-.0005	-.0578	.0039	.0349	.0472	-.0248	1069.
.3450	-25.	-960.	-189.	2655.	58.	324.	.0001	-.0585	.0050	.0315	.0534	-.0222	1074.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.3350	320.	2.	172.	1366.	161.	-1692.	-.0262	-.0234	.0059	.0524	.0027	-.0437	875.
.3360	319.	-195.	174.	1394.	153.	-1464.	-.0223	-.0281	.0056	.0512	.0062	-.0441	814.
.3370	306.	-400.	168.	1456.	150.	-1215.	-.0184	-.0331	.0053	.0498	.0100	-.0434	763.
.3380	279.	-541.	146.	1595.	147.	-970.	-.0146	-.0380	.0048	.0484	.0142	-.0420	751.
.3390	239.	-616.	108.	1802.	147.	-749.	-.0111	-.0427	.0042	.0468	.0186	-.0399	785.
.3400	190.	-631.	60.	2076.	137.	-556.	-.0081	-.0469	.0036	.0451	.0234	-.0374	849.
.3410	138.	-750.	8.	2200.	129.	-368.	-.0055	-.0507	.0032	.0430	.0288	-.0344	920.
.3420	91.	-807.	-46.	2403.	118.	-168.	-.0033	-.0538	.0030	.0407	.0347	-.0312	988.
.3430	50.	-862.	-98.	2590.	103.	36.	-.0017	-.0562	.0033	.0380	.0409	-.0279	1040.
.3440	12.	-923.	-145.	2655.	83.	211.	-.0005	-.0578	.0039	.0349	.0472	-.0248	1069.
.3450	-25.	-960.	-189.	2655.	58.	324.	.0001	-.0585	.0050	.0315	.0534	-.0222	1074.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.3460	-64.	-924.	-234.	2616.	26.	356.	.0001	-.0583	.0063	.0279	.0592	-.0202	1060.
.3470	-105.	-839.	-280.	2552.	-12.	297.	-.0003	-.0575	.0077	.0242	.0644	-.0190	1031.
.3480	-149.	-779.	-324.	2453.	-57.	147.	-.0010	-.0560	.0092	.0204	.0688	-.0187	986.
.3490	-191.	-759.	-362.	2298.	-105.	-78.	-.0020	-.0540	.0106	.0164	.0723	-.0194	924.
.3500	-228.	-718.	-389.	2073.	-154.	-350.	-.0029	-.0516	.0120	.0124	.0751	-.0210	846.
.3510	-251.	-622.	-401.	1784.	-201.	-624.	-.0037	-.0490	.0131	.0083	.0770	-.0235	763.
.3520	-255.	-519.	-401.	1454.	-244.	-848.	-.0041	-.0462	.0138	.0044	.0779	-.0268	683.
.3530	-234.	-449.	-392.	1111.	-282.	-999.	-.0040	-.0434	.0141	.0008	.0778	-.0306	610.
.3540	-193.	-383.	-373.	777.	-313.	-1079.	-.0035	-.0406	.0138	-.0024	.0765	-.0350	548.
.3550	-134.	-279.	-348.	471.	-336.	-1101.	-.0027	-.0379	.0128	-.0050	.0741	-.0397	499.
.3560	-60.	-155.	-318.	209.	-349.	-1060.	-.0017	-.0354	.0112	-.0071	.0704	-.0447	456.
.3570	27.	-78.	-282.	-8.	-352.	-958.	-.0005	-.0331	.0090	-.0085	.0658	-.0497	410.
.3580	121.	-81.	-239.	-195.	-344.	-807.	.0005	-.0311	.0064	-.0092	.0605	-.0544	360.
.3590	216.	-134.	-186.	-371.	-322.	-627.	.0014	-.0294	.0035	-.0094	.0546	-.0587	320.
.3600	310.	-174.	-123.	-540.	-289.	-428.	.0020	-.0279	.0006	-.0091	.0485	-.0625	300.
.3610	398.	-171.	-56.	-692.	-244.	-204.	.0021	-.0264	-.0023	-.0082	.0423	-.0654	306.
.3620	481.	-140.	14.	-816.	-190.	46.	.0016	-.0249	-.0049	-.0067	.0361	-.0673	337.
.3630	552.	-113.	83.	-917.	-132.	308.	.0006	-.0235	-.0071	-.0047	.0297	-.0681	392.
.3640	607.	-115.	153.	-1021.	-72.	554.	-.0011	-.0219	-.0087	-.0024	.0229	-.0677	467.
.3650	641.	-120.	227.	-1153.	-15.	767.	-.0035	-.0203	-.0097	-.0002	.0157	-.0663	556.
.3660	654.	-83.	298.	-1323.	37.	943.	-.0065	-.0184	-.0101	.0020	.0083	-.0637	652.
.3670	646.	0.	373.	-1543.	79.	1081.	-.0100	-.0162	-.0098	.0038	.0007	-.0601	757.
.3680	617.	75.	447.	-1819.	110.	1178.	-.0140	-.0139	-.0089	.0051	-.0069	-.0556	871.
.3690	572.	92.	517.	-2136.	131.	1241.	-.0181	-.0113	-.0076	.0058	-.0141	-.0503	993.
.3700	514.	107.	575.	-2456.	141.	1284.	-.0222	-.0084	-.0061	.0058	-.0207	-.0446	1114.
.3710	449.	211.	615.	-2734.	142.	1312.	-.0260	-.0054	-.0046	.0052	-.0264	-.0386	1218.
.3720	380.	394.	631.	-2942.	133.	1327.	-.0294	-.0023	-.0032	.0041	-.0312	-.0326	1296.
.3730	312.	535.	625.	-3076.	110.	1337.	-.0320	.0006	-.0022	.0024	-.0352	-.0269	1347.
.3740	250.	547.	601.	-3157.	75.	1344.	-.0337	.0033	-.0016	-.0001	-.0384	-.0218	1377.
.3750	196.	539.	564.	-3205.	27.	1348.	-.0344	.0057	-.0013	-.0031	-.0413	-.0175	1395.
.3760	154.	644.	517.	-3231.	-34.	1358.	-.0340	.0076	-.0014	-.0068	-.0439	-.0141	1406.
.3770	129.	811.	464.	-3239.	-106.	1393.	-.0325	.0089	-.0018	-.0110	-.0466	-.0116	1416.
.3780	124.	895.	408.	-3237.	-189.	1469.	-.0299	.0096	-.0024	-.0155	-.0494	-.0101	1428.
.3790	139.	868.	348.	-3223.	-280.	1582.	-.0262	.0094	-.0032	-.0203	-.0522	-.0094	1445.
.3800	171.	812.	285.	-3182.	-376.	1720.	-.0218	.0084	-.0040	-.0250	-.0549	-.0094	1459.
.3810	215.	730.	216.	-3102.	-473.	1876.	-.0169	.0067	-.0048	-.0297	-.0572	-.0101	1467.
.3820	266.	648.	141.	-2973.	-568.	2039.	-.0117	.0044	-.0055	-.0339	-.0586	-.0110	1465.
.3830	319.	577.	61.	-2798.	-656.	2188.	-.0065	.0015	-.0060	-.0377	-.0589	-.0121	1450.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.3720	388.	394.	631.	-2942.	133.	1327.	-.0294	-.0023	-.0032	.0041	-.0312	-.0326	1296.
.3730	312.	535.	625.	-3076.	110.	1337.	-.0320	.0006	-.0022	.0024	-.0352	-.0269	1347.
.3740	250.	547.	601.	-3157.	75.	1344.	-.0337	.0033	-.0016	-.0001	-.0384	-.0218	1377.
.3750	196.	539.	564.	-3205.	27.	1348.	-.0344	.0057	-.0013	-.0031	-.0413	-.0175	1395.
.3760	154.	544.	517.	-3231.	-34.	1358.	-.0340	.0076	-.0014	-.0068	-.0439	-.0141	1406.
.3770	129.	511.	464.	-3239.	-106.	1393.	-.0325	.0089	-.0018	-.0110	-.0466	-.0116	1416.
.3780	124.	835.	403.	-3237.	-189.	1469.	-.0299	.0096	-.0024	-.0155	-.0494	-.0101	1428.
.3790	139.	868.	348.	-3223.	-280.	1582.	-.0262	.0094	-.0032	-.0203	-.0522	-.0094	1445.
.3800	171.	812.	285.	-3182.	-376.	1720.	-.0218	.0084	-.0040	-.0250	-.0549	-.0094	1459.
.3810	215.	730.	216.	-3102.	-473.	1876.	-.0169	.0067	-.0048	-.0297	-.0572	-.0101	1467.
.3820	266.	648.	141.	-2973.	-568.	2039.	-.0117	.0044	-.0055	-.0339	-.0586	-.0110	1465.
.3830	319.	577.	61.	-2798.	-656.	2188.	-.0065	.0015	-.0060	-.0377	-.0589	-.0121	1450.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 815 LOCATION BEG TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.3840	368.	450.	-18.	-2602.	-733.	2309.	-.0018	-.0018	-.0061	-.0410	-.0580	-.0138	1427.
.3850	406.	317.	-93.	-2400.	-796.	2389.	.0023	-.0054	-.0058	-.0437	-.0557	-.0135	1396.
.3860	431.	301.	-164.	-2190.	-843.	2423.	.0056	-.0091	-.0051	-.0457	-.0519	-.0134	1353.
.3870	439.	344.	-229.	-1970.	-877.	2408.	.0078	-.0130	-.0039	-.0468	-.0467	-.0126	1297.
.3880	431.	197.	-283.	-1758.	-899.	2348.	.0090	-.0169	-.0022	-.0470	-.0402	-.0109	1231.
.3890	406.	-215.	-323.	-1571.	-911.	2248.	.0093	-.0207	-.0001	-.0465	-.0326	-.0084	1160.
.3900	366.	-619.	-349.	-1398.	-913.	2115.	.0086	-.0240	.0024	-.0450	-.0239	-.0051	1081.
.3910	315.	-744.	-364.	-1219.	-903.	1967.	.0072	-.0265	.0050	-.0426	-.0144	-.0009	997.
.3920	259.	-686.	-367.	-1033.	-883.	1837.	.0052	-.0280	.0076	-.0393	-.0045	.0040	917.
.3930	202.	-708.	-355.	-860.	-858.	1743.	.0029	-.0286	.0101	-.0353	.0055	.0095	853.
.3940	143.	-845.	-329.	-709.	-830.	1665.	.0003	-.0284	.0124	-.0308	.0152	.0135	799.
.3950	77.	-895.	-290.	-574.	-801.	1560.	-.0023	-.0271	.0143	-.0258	.0244	.0216	740.
.3960	-0.	-792.	-240.	-451.	-774.	1401.	-.0050	-.0249	.0157	-.0206	.0329	.0274	667.
.3970	-84.	-691.	-182.	-345.	-750.	1197.	-.0075	-.0218	.0166	-.0152	.0404	.0329	584.
.3980	-170.	-713.	-116.	-260.	-731.	967.	-.0098	-.0180	.0169	-.0099	.0467	.0380	498.
.3990	-253.	-774.	-45.	-204.	-715.	731.	-.0118	-.0136	.0167	-.0049	.0517	.0425	418.
.4000	-327.	-712.	30.	-177.	-700.	511.	-.0133	-.0085	.0161	-.0002	.0553	.0464	355.

MAXIMUM VALUE OF STRESS OCCURS AT

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0610	391.	-1716.	839.	-6886.	-852.	4873.	.0004	-.0020	.0321	.0556	.1390	-.0419	3402.

SECTION 33 MEMBER 1 SEQUENCE 816 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
0.0000	0.	0.	0.	0.	0.	0.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.
.0010	0.	0.	-0.	-0.	0.	-0.	.0000	-.0000	.0000	.0000	-.0000	.0000	0.
.0020	-0.	2.	-0.	-1.	0.	0.	.0000	-.0000	.0000	.0000	-.0000	-.0000	0.
.0030	-2.	4.	-2.	-3.	1.	2.	.0000	-.0000	.0000	.0000	-.0001	-.0000	1.
.0040	-6.	13.	-5.	-8.	1.	9.	.0000	-.0000	.0000	.0000	-.0001	-.0001	5.
.0050	-15.	32.	-11.	-14.	1.	22.	.0000	-.0000	.0000	.0001	-.0001	-.0001	11.
.0060	-29.	61.	-18.	-19.	1.	38.	.0000	-.0000	.0000	.0001	-.0002	-.0002	17.
.0070	-44.	104.	-27.	-19.	2.	47.	.0001	-.0001	.0001	.0002	-.0003	-.0003	20.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
0.0000	0.	0.	0.	0.	0.	0.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.
.0010	0.	0.	-0.	-0.	0.	-0.	.0000	-.0000	.0000	.0000	-.0000	.0000	0.
.0020	-0.	2.	-3.	-1.	0.	0.	.0000	-.0000	.0000	.0000	-.0000	-.0000	0.
.0030	-2.	4.	-2.	-2.	1.	2.	.0000	-.0000	.0000	.0000	-.0001	-.0000	1.
.0040	-6.	13.	-5.	-0.	1.	9.	.0000	-.0000	.0000	.0000	-.0001	-.0001	5.
.0050	-15.	72.	-11.	-14.	1.	22.	.0000	-.0000	.0000	.0001	-.0001	-.0001	11.
.0060	-29.	65.	-18.	-19.	1.	38.	.0000	-.0000	.0000	.0001	-.0002	-.0002	17.
.0070	-44.	104.	-27.	-19.	2.	47.	.0001	-.0001	.0001	.0002	-.0003	-.0003	20.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 016 LOCATION END TYPE FU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0080	-56.	144.	-37.	-15.	5.	40.	.0002	-.0002	.0002	.0002	-.0006	-.0004	17.
.0090	-74.	183.	-45.	2.	6.	27.	.0004	-.0002	.0003	.0002	-.0008	-.0005	11.
.0100	-105.	231.	-45.	39.	2.	19.	.0007	-.0003	.0005	.0001	-.0003	-.0006	17.
.0110	-144.	301.	-40.	90.	-12.	1.	.0011	-.0005	.0007	-.0000	.0014	-.0008	36.
.0120	-170.	378.	-38.	131.	-36.	-73.	.0016	-.0006	.0010	-.0001	.0046	-.0007	62.
.0130	-153.	425.	-56.	132.	-72.	-252.	.0023	-.0009	.0012	.0000	.0093	-.0002	118.
.0140	-80.	433.	-103.	72.	-117.	-546.	.0031	-.0011	.0015	.0004	.0153	.0010	226.
.0150	38.	424.	-173.	-25.	-167.	-905.	.0038	-.0014	.0020	.0011	.0220	.0026	369.
.0160	169.	400.	-234.	-93.	-216.	-1230.	.0044	-.0017	.0026	.0017	.0286	.0044	503.
.0170	286.	310.	-250.	-57.	-257.	-1432.	.0045	-.0019	.0035	.0020	.0341	.0060	584.
.0180	370.	105.	-196.	122.	-285.	-1451.	.0041	-.0021	.0046	.0017	.0380	.0071	595.
.0190	412.	-182.	-74.	410.	-304.	-1255.	.0031	-.0022	.0059	.0009	.0408	.0078	544.
.0200	409.	-438.	76.	699.	-319.	-850.	.0015	-.0020	.0072	.0000	.0431	.0077	460.
.0210	338.	-607.	208.	864.	-342.	-224.	-.0005	-.0017	.0083	-.0005	.0465	.0067	384.
.0220	150.	-623.	290.	831.	-403.	651.	-.0028	-.0012	.0090	-.0004	.0550	.0043	454.
.0230	-66.	-299.	248.	492.	-480.	1541.	-.0050	-.0007	.0092	.0009	.0659	.0012	677.
.0240	-146.	253.	48.	-147.	-525.	2081.	-.0068	-.0004	.0091	.0036	.0731	-.0008	863.
.0250	-51.	566.	-168.	-734.	-503.	2170.	-.0080	-.0002	.0091	.0061	.0719	-.0016	941.
.0260	23.	328.	-124.	-706.	-443.	2170.	-.0088	.0000	.0093	.0059	.0651	-.0027	933.
.0270	-86.	-320.	246.	25.	-416.	2338.	-.0091	.0007	.0097	.0023	.0619	-.0056	973.
.0280	-110.	-924.	557.	676.	-374.	2345.	-.0091	.0018	.0098	-.0009	.0563	-.0078	991.
.0290	129.	-1258.	587.	763.	-243.	1755.	-.0087	.0032	.0092	-.0017	.0390	-.0075	774.
.0300	139.	-1485.	687.	858.	-128.	1541.	-.0082	.0044	.0078	-.0031	.0235	-.0090	710.
.0310	-165.	-1952.	852.	912.	-69.	1861.	-.0078	.0053	.0055	-.0050	.0150	-.0131	832.
.0320	-363.	-2326.	687.	218.	6.	1911.	-.0070	.0062	.0022	-.0038	.0049	-.0156	772.
.0330	-301.	-2064.	148.	-1224.	92.	1377.	-.0059	.0073	-.0017	.0010	-.0061	-.0149	740.
.0340	-165.	-1327.	-421.	-2629.	147.	612.	-.0044	.0086	-.0056	.0061	-.0129	-.0128	1005.
.0350	-6.	-845.	-755.	-3349.	217.	-227.	-.0030	.0098	-.0085	.0087	-.0221	-.0097	1350.
.0360	177.	-984.	-750.	-3118.	340.	-1065.	-.0018	.0108	-.0101	.0078	-.0391	-.0058	1329.
.0370	252.	-1460.	-396.	-1988.	440.	-1604.	-.0011	.0118	-.0104	.0036	-.0545	-.0024	1040.
.0380	269.	-1889.	61.	-575.	461.	-1888.	-.0012	.0128	-.0100	-.0016	-.0505	.0006	813.
.0390	462.	-1951.	243.	265.	480.	-2297.	-.0019	.0139	-.0096	-.0040	-.0556	.0051	948.
.0400	633.	-1286.	117.	384.	558.	-2443.	-.0035	.0144	-.0097	-.0034	-.0772	.0090	1017.
.0410	277.	-390.	84.	483.	590.	-1453.	-.0060	.0139	-.0100	-.0036	-.0521	.0076	659.
.0420	-379.	-85.	52.	420.	575.	129.	-.0089	.0126	-.0106	-.0037	-.0813	.0029	290.
.0430	-620.	-380.	-118.	-24.	586.	864.	-.0112	.0114	-.0114	-.0025	-.0843	.0016	419.
.0440	-434.	135.	-430.	-778.	610.	643.	-.0125	.0103	-.0121	-.0002	-.0895	.0037	473.
.0450	-218.	1498.	-592.	-1223.	579.	208.	-.0132	.0091	-.0123	.0007	-.0878	.0057	549.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
.0350	-6.	-845.	-755.	-3349.	217.	-227.	-.0030	.0090	-.0085	.0087	-.0221	-.0097	1350.
.0360	177.	-984.	-750.	-3118.	740.	-1065.	-.0016	.0108	-.0101	.0078	-.0391	-.0058	1329.
.0370	252.	-1460.	-396.	-1982.	440.	-1604.	-.0011	.0119	-.0104	.0036	-.0545	-.0024	1040.
.0380	265.	-1389.	81.	-570.	461.	-1886.	-.0012	.0128	-.0100	-.0016	-.0605	.0006	813.
.0390	462.	-1951.	247.	265.	400.	-2297.	-.0019	.0139	-.0096	-.0040	-.0556	.0051	948.
.0400	633.	-1236.	117.	384.	528.	-2443.	-.0025	.0144	-.0097	-.0034	-.0772	.0090	1017.
.0410	277.	-390.	84.	482.	590.	-1403.	-.0060	.0139	-.0100	-.0036	-.0821	.0076	659.
.0420	-379.	-85.	52.	420.	575.	129.	-.0089	.0126	-.0106	-.0037	-.0813	.0029	290.
.0430	-620.	-330.	-110.	-24.	586.	864.	-.0112	.0114	-.0114	-.0025	-.0843	.0016	419.
.0440	-434.	175.	-420.	-770.	610.	643.	-.0125	.0103	-.0121	-.0002	-.0895	.0037	473.
.0450	-218.	1448.	-592.	-1223.	579.	208.	-.0132	.0091	-.0123	.0007	-.0878	.0057	549.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 816 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0460	-74.	2080.	-496.	-1111.	526.	-171.	-.0134	.0071	-.0116	-.0009	-.0830	.0065	498.
.0470	83.	1388.	-354.	-823.	527.	-569.	-.0135	.0044	-.0103	-.0029	-.0843	.0070	454.
.0480	128.	760.	-244.	-551.	531.	-699.	-.0138	.0015	-.0085	-.0044	-.0853	.0063	416.
.0490	-35.	927.	-46.	-134.	440.	-376.	-.0143	-.0010	-.0063	-.0063	-.0735	.0036	239.
.0500	-197.	1124.	160.	244.	281.	-1.	-.0149	-.0031	-.0040	-.0078	-.0525	.0012	149.
.0510	-175.	1079.	276.	389.	123.	59.	-.0154	-.0049	-.0019	-.0081	-.0311	.0009	166.
.0520	-57.	1149.	348.	387.	-25.	-41.	-.0159	-.0067	-.0000	-.0076	-.0105	.0021	157.
.0530	14.	1590.	425.	340.	-171.	-18.	-.0164	-.0084	.0015	-.0070	.0101	.0034	153.
.0540	12.	1774.	459.	178.	-296.	188.	-.0170	-.0098	.0025	-.0058	.0286	.0045	158.
.0550	-22.	1682.	394.	-168.	-395.	503.	-.0177	-.0106	.0032	-.0036	.0444	.0057	265.
.0560	-44.	1893.	291.	-545.	-480.	828.	-.0183	-.0107	.0036	-.0010	.0588	.0069	442.
.0570	-10.	1924.	296.	-650.	-564.	1065.	-.0186	-.0104	.0038	.0005	.0732	.0086	550.
.0580	109.	715.	449.	-409.	-647.	1147.	-.0187	-.0095	.0039	.0006	.0871	.0105	553.
.0590	298.	-1151.	631.	-83.	-723.	1106.	-.0186	-.0078	.0036	.0002	.0997	.0125	531.
.0600	442.	-1992.	756.	122.	-795.	1165.	-.0184	-.0054	.0027	.0003	.1114	.0131	568.
.0610	391.	-1710.	839.	192.	-852.	1575.	-.0182	-.0025	.0010	.0007	.1208	.0110	723.
.0620	138.	-1809.	903.	159.	-873.	2285.	-.0179	.0004	-.0017	.0010	.1258	.0062	984.
.0630	-130.	-2560.	899.	-70.	-840.	2869.	-.0172	.0035	-.0053	.0018	.1241	.0005	1200.
.0640	-234.	-2609.	768.	-575.	-762.	2921.	-.0156	.0066	-.0099	.0035	.1166	-.0042	1233.
.0650	-137.	-1584.	518.	-1298.	-673.	2351.	-.0132	.0099	-.0151	.0060	.1069	-.0072	1111.
.0660	115.	-765.	239.	-2003.	-596.	1301.	-.0103	.0133	-.0207	.0085	.0972	-.0088	988.
.0670	406.	-764.	77.	-2367.	-534.	94.	-.0074	.0164	-.0263	.0095	.0876	-.0097	975.
.0680	562.	-823.	167.	-2135.	-492.	-837.	-.0052	.0187	-.0316	.0090	.0793	-.0113	941.
.0690	541.	-535.	450.	-1482.	-474.	-1323.	-.0039	.0200	-.0369	.0044	.0739	-.0138	820.
.0700	492.	-272.	665.	-986.	-461.	-1593.	-.0037	.0203	-.0425	.0015	.0697	-.0155	774.
.0710	486.	28.	674.	-987.	-443.	-1763.	-.0047	.0197	-.0487	.0005	.0652	-.0157	830.
.0720	411.	754.	567.	-1355.	-438.	-1642.	-.0069	.0180	-.0557	.0007	.0617	-.0152	872.
.0730	265.	1507.	379.	-2009.	-435.	-1244.	-.0101	.0154	-.0631	.0018	.0572	-.0143	964.
.0740	201.	1642.	30.	-3026.	-377.	-870.	-.0142	.0120	-.0707	.0044	.0449	-.0116	1272.
.0750	216.	1499.	-406.	-4176.	-247.	-528.	-.0189	.0081	-.0780	.0079	.0233	-.0076	1692.
.0760	131.	1739.	-711.	-4977.	-87.	89.	-.0240	.0037	-.0843	.0102	-.0013	-.0043	1998.
.0770	-92.	1991.	-804.	-5228.	69.	1017.	-.0293	-.0009	-.0892	.0107	-.0241	-.0025	2138.
.0780	-334.	1550.	-755.	-5059.	207.	1981.	-.0342	-.0053	-.0925	.0102	-.0435	-.0014	2182.
.0790	-534.	782.	-627.	-4637.	300.	2793.	-.0384	-.0094	-.0945	.0094	-.0558	-.0008	2175.
.0800	-676.	544.	-498.	-4172.	323.	3362.	-.0415	-.0130	-.0952	.0090	-.0583	-.0008	2154.
.0810	-703.	786.	-487.	-3920.	308.	3547.	-.0431	-.0158	-.0950	.0102	-.0543	-.0007	2125.
.0820	-646.	872.	-577.	-3851.	293.	7401.	-.0433	-.0178	-.0939	.0126	-.0489	-.0010	2065.
.0830	-643.	741.	-618.	-3672.	235.	3193.	-.0421	-.0190	-.0918	.0149	-.0431	-.0028	1956.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.0730	265.	1507.	[illegible]	[illegible]	-855.	-1244.	-.0101	.0154	-.0651	.0018	.0572	-.0143	964.
.0740	261.	1642.	30.	-3026.	-777.	-870.	-.0142	.0120	-.0707	.0044	.0449	-.0116	1272.
.0750	215.	1439.	-406.	-4176.	-247.	-528.	-.0189	.0081	-.0780	.0079	.0233	-.0076	1692.
.0760	131.	1174.	-711.	-4877.	-87.	89.	-.0240	.0037	-.0843	.0102	-.0013	-.0043	1998.
.0770	-92.	1091.	-924.	-5024.	69.	1017.	-.0292	-.0009	-.0890	.0107	-.0241	-.0025	2138.
.0780	-334.	1326.	-759.	-5059.	207.	1981.	-.0342	-.0057	-.0925	.0102	-.0435	-.0014	2182.
.0790	-534.	782.	-627.	-4637.	300.	2793.	-.0384	-.0094	-.0945	.0094	-.0558	-.0008	2175.
.0800	-676.	544.	-425.	-4172.	323.	3362.	-.0415	-.0130	-.0952	.0090	-.0583	-.0008	2154.
.0810	-703.	736.	-487.	-3900.	308.	3547.	-.0431	-.0158	-.0950	.0102	-.0543	-.0007	2125.
.0820	-646.	872.	-577.	-3851.	293.	3401.	-.0433	-.0178	-.0939	.0126	-.0489	-.0010	2065.
.0830	-647.	741.	-613.	-3672.	285.	3193.	-.0421	-.0190	-.0910	.0149	-.0431	-.0028	1956.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 816 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.0840	-692.	731.	-570.	-3288.	297.	2946.	-.0397	-.0192	-.0888	.0166	-.0389	-.0057	1776.
.0850	-635.	923.	-514.	-2840.	361.	2414.	-.0362	-.0185	-.0850	.0182	-.0411	-.0082	1503.
.0860	-441.	778.	-442.	-2329.	469.	1598.	-.0317	-.0168	-.0805	.0198	-.0493	-.0097	1149.
.0870	-244.	301.	-285.	-1666.	569.	818.	-.0268	-.0143	-.0754	.0209	-.0572	-.0111	779.
.0880	-121.	-301.	-101.	-1003.	635.	282.	-.0218	-.0111	-.0702	.0219	-.0613	-.0130	490.
.0890	-68.	-984.	-20.	-609.	674.	14.	-.0169	-.0075	-.0650	.0241	-.0625	-.0151	364.
.0900	-117.	-1707.	-72.	-538.	687.	52.	-.0123	-.0036	-.0600	.0279	-.0607	-.0174	351.
.0910	-277.	-2245.	-207.	-651.	667.	343.	-.0079	.0004	-.0551	.0324	-.0552	-.0199	399.
.0920	-429.	-2575.	-372.	-778.	628.	572.	-.0034	.0044	-.0503	.0370	-.0483	-.0214	462.
.0930	-417.	-2965.	-510.	-741.	583.	367.	.0013	.0083	-.0453	.0409	-.0425	-.0203	406.
.0940	-188.	-3439.	-562.	-399.	529.	-393.	.0063	.0123	-.0401	.0434	-.0373	-.0163	309.
.0950	182.	-3618.	-520.	253.	460.	-1520.	.0113	.0163	-.0347	.0442	-.0318	-.0103	645.
.0960	544.	-3261.	-413.	1104.	378.	-2643.	.0157	.0202	-.0292	.0437	-.0258	-.0040	1159.
.0970	756.	-2671.	-298.	1986.	286.	-3402.	.0191	.0241	-.0240	.0422	-.0190	.0009	1585.
.0980	766.	-2194.	-217.	2690.	178.	-3641.	.0212	.0279	-.0193	.0403	-.0105	.0036	1818.
.0990	629.	-1689.	-255.	3057.	49.	-3456.	.0221	.0319	-.0154	.0385	.0002	.0046	1852.
.1000	453.	-879.	-394.	3093.	-89.	-3085.	.0218	.0362	-.0123	.0365	.0117	.0047	1753.
.1010	345.	16.	-556.	2967.	-219.	-2769.	.0208	.0408	-.0097	.0336	.0214	.0051	1631.
.1020	355.	456.	-648.	2885.	-320.	-2623.	.0191	.0455	-.0075	.0289	.0264	.0062	1570.
.1030	442.	415.	-600.	2985.	-373.	-2550.	.0168	.0496	-.0056	.0218	.0242	.0078	1583.
.1040	496.	501.	-405.	3239.	-377.	-2306.	.0137	.0526	-.0039	.0126	.0149	.0088	1603.
.1050	441.	781.	-157.	3402.	-349.	-1700.	.0097	.0541	-.0026	.0025	.0016	.0085	1533.
.1060	268.	859.	8.	3148.	-314.	-709.	.0051	.0539	-.0019	-.0068	-.0117	.0069	1301.
.1070	1.	828.	-10.	2271.	-298.	587.	.0001	.0520	-.0018	-.0140	-.0213	.0045	949.
.1080	-288.	1535.	-234.	705.	-303.	1984.	-.0048	.0487	-.0019	-.0185	-.0269	.0020	865.
.1090	-561.	2702.	-552.	-974.	-335.	3317.	-.0092	.0444	-.0017	-.0213	-.0282	-.0000	1394.
.1100	-840.	1212.	-782.	-2512.	-454.	4519.	-.0125	.0391	-.0005	-.0241	-.0178	-.0015	2083.
.1110	-926.	-183.	-987.	-3775.	-571.	5162.	-.0143	.0329	.0023	-.0264	-.0067	-.0005	2577.
.1120	-804.	1894.	-1107.	-4524.	-625.	5209.	-.0143	.0262	.0072	-.0290	-.0021	.0029	2780.
.1130	-680.	4436.	-872.	-4230.	-658.	5059.	-.0128	.0194	.0145	-.0344	.0020	.0067	2659.
.1140	-602.	3569.	-264.	-2945.	-689.	4850.	-.0097	.0132	.0238	-.0427	.0088	.0103	2294.
.1150	-480.	1474.	371.	-1470.	-699.	4475.	-.0052	.0087	.0343	-.0506	.0154	.0141	1911.
.1160	-364.	1997.	748.	-509.	-709.	4069.	.0006	.0062	.0451	-.0553	.0235	.0174	1670.
.1170	-317.	3487.	832.	-228.	-739.	3769.	.0076	.0058	.0557	-.0566	.0347	.0193	1544.
.1180	-377.	1860.	734.	-411.	-783.	3612.	.0155	.0067	.0660	-.0556	.0480	.0193	1492.
.1190	-333.	-837.	387.	-1067.	-715.	3175.	.0252	.0087	.0762	-.0519	.0480	.0193	1375.
.1200	-264.	-603.	-15.	-1680.	-526.	2553.	.0358	.0119	.0863	-.0476	.0341	.0185	1246.
.1210	-358.	717.	-27.	-1450.	-315.	2030.	.0474	.0165	.0983	-.0463	.0193	.0155	1009.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.1100	-947.	1212.	-776.	-2516.	-454.	4819.	-.0125	.0391	-.0005	-.0241	-.0178	-.0015	2083.
.1110	-926.	-183.	-987.	-3775.	-571.	5162.	-.0143	.0329	.0023	-.0264	-.0067	-.0005	2577.
.1120	-904.	1894.	-1107.	-4524.	-625.	5209.	-.0143	.0262	.0072	-.0290	-.0021	.0029	2780.
.1130	-880.	4436.	-872.	-4230.	-658.	5059.	-.0128	.0194	.0145	-.0344	.0020	.0067	2659.
.1140	-802.	3549.	-264.	-2945.	-689.	4850.	-.0097	.0172	.0235	-.0427	.0088	.0103	2294.
.1150	-480.	1474.	371.	-1476.	-690.	4475.	-.0052	.0087	.0343	-.0506	.0154	.0141	1911.
.1160	-764.	1907.	748.	-509.	-709.	4069.	.0006	.0060	.0451	-.0553	.0235	.0174	1670.
.1170	-317.	3487.	872.	-228.	-739.	3769.	.0076	.0050	.0557	-.0566	.0347	.0193	1544.
.1180	-777.	1360.	734.	-411.	-723.	3612.	.0158	.0067	.0660	-.0556	.0480	.0193	1492.
.1190	-337.	-877.	387.	-1067.	-715.	3175.	.0252	.0087	.0762	-.0519	.0480	.0193	1375.
.1200	-764.	-653.	-15.	-1686.	-726.	2553.	.0358	.0119	.0863	-.0476	.0341	.0185	1246.
.1210	-359.	717.	-87.	-1450.	-715.	2030.	.0474	.0165	.0983	-.0463	.0193	.0155	1009.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 316 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1220	-305.	-903.	107.	-419.	-76.	1007.	.0601	.0226	.1108	-.0474	.0021	.0132	439.
.1230	6.	-3695.	397.	1039.	158.	-701.	.0736	.0300	.1239	-.0492	-.0153	.0128	507.
.1240	480.	-3789.	631.	2538.	355.	-2822.	.0872	.0381	.1372	-.0501	-.0302	.0135	1530.
.1250	884.	-2539.	824.	3997.	470.	-4797.	.1001	.0460	.1500	-.0501	-.0377	.0135	2513.
.1260	1062.	-3551.	980.	5337.	499.	-6228.	.1115	.0528	.1620	-.0494	-.0760	.0115	3297.
.1270	1150.	-5242.	911.	6175.	543.	-7294.	.1208	.0583	.1726	-.0463	-.0364	.0092	3841.
.1280	1014.	-4101.	775.	6803.	578.	-7745.	.1279	.0623	.1820	-.0427	-.0353	.0056	4143.
.1290	746.	-1554.	758.	7580.	591.	-7801.	.1327	.0646	.1899	-.0406	-.0320	.0021	4372.
.1300	646.	-1222.	860.	8502.	613.	-8062.	.1355	.0651	.1963	-.0404	-.0323	.0016	4708.
.1310	803.	-2169.	981.	9333.	642.	-8697.	.1363	.0636	.2008	-.0412	-.0380	.0052	5126.
.1320	1195.	-1334.	956.	9703.	699.	-9531.	.1348	.0602	.2033	-.0417	-.0520	.0124	5479.
.1330	1477.	378.	871.	9701.	722.	-9965.	.1307	.0548	.2035	-.0426	-.0646	.0198	5588.
.1340	1497.	70.	733.	9313.	705.	-9482.	.1235	.0476	.2017	-.0438	-.0721	.0255	5341.
.1350	1250.	-1149.	503.	8483.	671.	-8112.	.1136	.0388	.1980	-.0449	-.0753	.0292	4718.
.1360	766.	-261.	252.	7398.	607.	-5992.	.1014	.0287	.1930	-.0464	-.0722	.0306	3828.
.1370	349.	1689.	-19.	6158.	545.	-3817.	.0880	.0181	.1870	-.0483	-.0685	.0324	2916.
.1380	108.	1795.	-214.	5037.	474.	-1929.	.0741	.0077	.1808	-.0514	-.0648	.0353	2173.
.1390	49.	729.	-333.	4121.	430.	-434.	.0605	-.0019	.1746	-.0555	-.0657	.0388	1672.
.1400	-14.	1175.	-332.	3529.	428.	971.	.0475	-.0101	.1659	-.0607	-.0720	.0411	1479.
.1410	-281.	2616.	-148.	3373.	443.	2629.	.0354	-.0168	.1639	-.0672	-.0779	.0400	1725.
.1420	-564.	2575.	37.	3290.	520.	4161.	.0248	-.0218	.1593	-.0731	-.0873	.0370	2139.
.1430	-810.	1685.	152.	3106.	630.	5418.	.0162	-.0250	.1552	-.0773	-.0969	.0327	2519.
.1440	-1007.	2155.	205.	2807.	725.	6335.	.0099	-.0262	.1515	-.0797	-.1026	.0273	2796.
.1450	-1153.	3337.	257.	2512.	755.	6872.	.0062	-.0252	.1482	-.0807	-.0996	.0211	2952.
.1460	-1224.	3123.	338.	2298.	711.	6964.	.0052	-.0219	.1452	-.0806	-.0878	.0148	2957.
.1470	-1093.	1974.	363.	2051.	685.	6394.	.0068	-.0167	.1427	-.0787	-.0775	.0100	2709.
.1480	-943.	1777.	443.	2001.	676.	5527.	.0107	-.0098	.1405	-.0762	-.0684	.0054	2374.
.1490	-809.	1909.	604.	2202.	693.	4482.	.0163	-.0017	.1386	-.0735	-.0613	.0013	2023.
.1500	-604.	643.	769.	2489.	737.	3152.	.0234	.0074	.1367	-.0700	-.0575	-.0013	1639.
.1510	-353.	-1208.	900.	2741.	761.	1637.	.0314	.0170	.1344	-.0654	-.0526	-.0023	1317.
.1520	1.	-1740.	901.	2752.	759.	-87.	.0397	.0266	.1316	-.0590	-.0467	-.0011	1146.
.1530	374.	-1316.	820.	2596.	699.	-1778.	.0476	.0358	.1282	-.0515	-.0355	.0016	1293.
.1540	743.	-1616.	692.	2363.	611.	-3311.	.0546	.0440	.1241	-.0435	-.0219	.0053	1651.
.1550	961.	-2345.	629.	2281.	502.	-4364.	.0601	.0508	.1195	-.0364	-.0061	.0085	1986.
.1560	876.	-2097.	732.	2540.	345.	-4666.	.0639	.0560	.1142	-.0314	.0152	.0096	2136.
.1570	741.	-1354.	859.	2863.	190.	-4727.	.0660	.0595	.1081	-.0275	.0348	.0105	2219.
.1580	674.	-1408.	997.	3177.	29.	-4842.	.0667	.0609	.1008	-.0247	.0528	.0122	2324.
.1590	694.	-1767.	1142.	3411.	-143.	-5099.	.0662	.0602	.0921	-.0232	.0597	.0145	2462.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.1480	-843.	1277.	844.	2081.	676.	3527.	.0407	-.0098	.1405	-.0762	-.0524	.0054	2374.
.1490	-806.	1909.	664.	2202.	693.	4482.	.0163	-.0017	.1386	-.0735	-.0513	.0013	2023.
.1500	-604.	643.	769.	2489.	737.	3152.	.0234	.0074	.1367	-.0700	-.0575	-.0013	1639.
.1510	-353.	-1208.	900.	2741.	761.	1637.	.0314	.0170	.1344	-.0654	-.0526	-.0023	1317.
.1520	1.	-1740.	901.	2752.	759.	-87.	.0397	.0266	.1316	-.0590	-.0467	-.0011	1146.
.1530	374.	-1316.	820.	2596.	699.	-1778.	.0476	.0358	.1282	-.0515	-.0355	.0016	1293.
.1540	743.	-1616.	692.	2363.	611.	-3311.	.0546	.0440	.1241	-.0435	-.0219	.0053	1651.
.1550	961.	-2345.	629.	2281.	502.	-4364.	.0601	.0508	.1195	-.0364	-.0061	.0085	1986.
.1560	876.	-2097.	732.	2540.	345.	-4666.	.0639	.0560	.1142	-.0314	.0152	.0096	2136.
.1570	741.	-1354.	859.	2863.	190.	-4727.	.0660	.0595	.1081	-.0275	.0348	.0105	2219.
.1580	674.	-1408.	907.	3177.	26.	-4642.	.0667	.0609	.1008	-.0247	.0528	.0122	2324.
.1590	694.	-1767.	1142.	3411.	-143.	-5099.	.0662	.0602	.0921	-.0232	.0697	.0145	2462.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 816 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1600	869.	-1338.	1176.	3295.	-281.	-5611.	.0644	.0570	.0818	-.0217	.0804	.0180	2613.
.1610	1091.	-434.	1091.	2776.	-377.	-6124.	.0611	.0517	.0698	-.0201	.0853	.0213	2702.
.1620	1125.	-139.	989.	2021.	-468.	-6147.	.0560	.0447	.0562	-.0191	.0898	.0223	2603.
.1630	1022.	-385.	784.	906.	-517.	-5720.	.0490	.0362	.0415	-.0177	.0898	.0214	2333.
.1640	779.	-165.	496.	-482.	-534.	-4839.	.0404	.0267	.0259	-.0157	.0866	.0188	1963.
.1650	437.	469.	195.	-1926.	-546.	-3621.	.0305	.0169	.0101	-.0135	.0829	.0150	1660.
.1660	190.	614.	-122.	-3333.	-533.	-2471.	.0197	.0070	-.0054	-.0109	.0763	.0122	1679.
.1670	10.	431.	-361.	-4439.	-522.	-1393.	.0084	-.0023	-.0199	-.0087	.0704	.0105	1879.
.1680	-98.	705.	-507.	-5157.	-499.	-418.	-.0030	-.0103	-.0331	-.0066	.0641	.0099	2086.
.1690	-212.	1365.	-527.	-5410.	-475.	585.	-.0144	-.0167	-.0447	-.0049	.0594	.0100	2192.
.1700	-320.	1567.	-471.	-5304.	-440.	1590.	-.0254	-.0212	-.0546	-.0030	.0553	.0107	2229.
.1710	-381.	1231.	-413.	-5027.	-379.	2514.	-.0359	-.0236	-.0630	-.0001	.0493	.0123	2261.
.1720	-551.	1208.	-294.	-4545.	-353.	3606.	-.0454	-.0239	-.0701	.0032	.0481	.0131	2333.
.1730	-684.	1586.	-246.	-4153.	-339.	4556.	-.0538	-.0220	-.0762	.0082	.0481	.0142	2478.
.1740	-723.	1722.	-292.	-3928.	-340.	5210.	-.0605	-.0180	-.0815	.0147	.0491	.0159	2622.
.1750	-711.	1423.	-366.	-3751.	-354.	5601.	-.0655	-.0123	-.0860	.0220	.0513	.0173	2709.
.1760	-616.	1090.	-459.	-3592.	-337.	5641.	-.0685	-.0052	-.0899	.0297	.0494	.0186	2687.
.1770	-538.	886.	-478.	-3266.	-298.	5502.	-.0697	.0028	-.0931	.0367	.0445	.0186	2570.
.1780	-445.	375.	-428.	-2781.	-224.	5122.	-.0692	.0113	-.0958	.0427	.0342	.0173	2341.
.1790	-375.	-441.	-298.	-2151.	-144.	4569.	-.0670	.0199	-.0981	.0476	.0213	.0144	2027.
.1800	-280.	-1073.	-174.	-1580.	-71.	3768.	-.0635	.0282	-.1005	.0520	.0066	.0105	1640.
.1810	-64.	-1462.	-165.	-1303.	10.	2581.	-.0590	.0357	-.1032	.0569	-.0112	.0067	1160.
.1820	108.	-1910.	-175.	-1171.	47.	1364.	-.0539	.0420	-.1063	.0614	-.0247	.0017	722.
.1830	236.	-2426.	-228.	-1222.	60.	177.	-.0487	.0468	-.1099	.0655	-.0349	-.0040	496.
.1840	334.	-2535.	-346.	-1468.	68.	-945.	-.0439	.0498	-.1138	.0695	-.0437	-.0099	701.
.1850	396.	-2205.	-485.	-1787.	68.	-1936.	-.0400	.0508	-.1181	.0728	-.0510	-.0155	1058.
.1860	452.	-1968.	-589.	-2039.	61.	-2798.	-.0372	.0500	-.1224	.0747	-.0574	-.0200	1389.
.1870	448.	-1898.	-573.	-2055.	18.	-3394.	-.0359	.0473	-.1268	.0746	-.0599	-.0237	1592.
.1880	481.	-1672.	-509.	-1982.	-27.	-3855.	-.0362	.0431	-.1311	.0730	-.0618	-.0254	1740.
.1890	526.	-1243.	-420.	-1903.	-78.	-4095.	-.0383	.0374	-.1356	.0703	-.0618	-.0253	1812.
.1900	521.	-979.	-328.	-1916.	-139.	-3964.	-.0422	.0306	-.1402	.0670	-.0579	-.0239	1768.
.1910	471.	-943.	-315.	-2208.	-186.	-3457.	-.0479	.0228	-.1450	.0637	-.0527	-.0216	1648.
.1920	276.	-698.	-357.	-2759.	-234.	-2423.	-.0552	.0145	-.1501	.0607	-.0449	-.0195	1476.
.1930	-38.	-205.	-456.	-3551.	-281.	-980.	-.0636	.0060	-.1551	.0580	-.0355	-.0177	1483.
.1940	-359.	133.	-619.	-4543.	-321.	560.	-.0724	-.0021	-.1597	.0559	-.0256	-.0155	1841.
.1950	-593.	193.	-807.	-5593.	-354.	1909.	-.0809	-.0096	-.1637	.0541	-.0153	-.0124	2376.
.1960	-697.	250.	-971.	-6524.	-378.	2904.	-.0886	-.0159	-.1664	.0524	-.0046	-.0084	2870.
.1970	-676.	374.	-1077.	-7206.	-392.	3509.	-.0952	-.0210	-.1676	.0506	.0069	-.0039	3220.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
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ENGLISH UNITS

INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.1860	452.	-1966.	-576.	-2039.	81.	-3770.	-.0372	.0506	-.1224	.0747	-.0574	-.0200	1389.
.1870	442.	-1898.	-573.	-2055.	18.	-3394.	-.0359	.0472	-.1268	.0746	-.0599	-.0237	1592.
.1880	421.	-1672.	-509.	-1982.	-27.	-3855.	-.0362	.0431	-.1311	.0730	-.0618	-.0254	1740.
.1890	526.	-1242.	-420.	-1903.	-78.	-4095.	-.0383	.0374	-.1356	.0703	-.0618	-.0253	1812.
.1900	521.	-979.	-328.	-1916.	-139.	-3964.	-.0422	.0306	-.1402	.0670	-.0579	-.0239	1768.
.1910	471.	-943.	-315.	-2200.	-136.	-3457.	-.0479	.0228	-.1450	.0637	-.0527	-.0216	1648.
.1920	276.	-698.	-357.	-2759.	-234.	-2423.	-.0552	.0145	-.1501	.0607	-.0449	-.0195	1476.
.1930	-38.	-205.	-456.	-3551.	-281.	-980.	-.0636	.0060	-.1551	.0580	-.0355	-.0177	1483.
.1940	-359.	133.	-610.	-4543.	-321.	560.	-.0724	-.0021	-.1597	.0559	-.0256	-.0155	1841.
.1950	-593.	193.	-807.	-5593.	-354.	1909.	-.0809	-.0096	-.1637	.0541	-.0153	-.0124	2376.
.1960	-697.	253.	-971.	-6524.	-378.	2904.	-.0886	-.0159	-.1664	.0524	-.0046	-.0084	2870.
.1970	-676.	374.	-1077.	-7266.	-392.	3509.	-.0952	-.0210	-.1676	.0506	.0069	-.0039	3220.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
SHOCK
PRESSURE
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 816 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.1980	-587.	396.	-1103.	-7553.	-406.	3837.	-.1004	-.0245	-.1670	.0487	.0198	.0004	3404.
.1990	-508.	374.	-1045.	-7538.	-429.	4058.	-.1043	-.0264	-.1644	.0467	.0346	.0034	3439.
.2000	-471.	513.	-930.	-7219.	-459.	4264.	-.1070	-.0267	-.1599	.0450	.0501	.0049	3369.
.2010	-470.	747.	-791.	-6678.	-492.	4467.	-.1085	-.0255	-.1538	.0439	.0653	.0049	3230.
.2020	-495.	852.	-635.	-5964.	-533.	4656.	-.1088	-.0228	-.1461	.0432	.0801	.0037	3044.
.2030	-517.	826.	-477.	-5140.	-575.	4779.	-.1078	-.0187	-.1374	.0431	.0940	.0017	2826.
.2040	-493.	831.	-351.	-4298.	-603.	4748.	-.1056	-.0135	-.1278	.0435	.1045	-.0004	2581.
.2050	-421.	839.	-250.	-3461.	-606.	4566.	-.1023	-.0074	-.1178	.0442	.1102	-.0023	2312.
.2060	-347.	678.	-131.	-2578.	-591.	4328.	-.0980	-.0010	-.1075	.0445	.1114	-.0043	2036.
.2070	-295.	352.	16.	-1672.	-563.	4088.	-.0929	.0055	-.0973	.0441	.1088	-.0063	1787.
.2080	-246.	12.	153.	-862.	-530.	3814.	-.0871	.0118	-.0876	.0431	.1032	-.0082	1584.
.2090	-188.	-319.	251.	-248.	-505.	3479.	-.0807	.0176	-.0786	.0419	.0970	-.0096	1414.
.2100	-126.	-714.	312.	139.	-505.	3032.	-.0739	.0229	-.0706	.0402	.0930	-.0106	1255.
.2110	-53.	-1137.	338.	288.	-528.	2605.	-.0666	.0275	-.0636	.0380	.0913	-.0112	1073.
.2120	37.	-1476.	325.	199.	-561.	2028.	-.0592	.0312	-.0576	.0354	.0905	-.0112	848.
.2130	131.	-1733.	286.	-88.	-594.	1373.	-.0516	.0338	-.0526	.0322	.0894	-.0109	601.
.2140	219.	-1925.	232.	-518.	-618.	668.	-.0442	.0352	-.0485	.0283	.0872	-.0104	420.
.2150	303.	-1920.	170.	-1046.	-624.	-76.	-.0371	.0355	-.0450	.0239	.0832	-.0097	490.
.2160	392.	-1623.	104.	-1631.	-609.	-850.	-.0305	.0348	-.0419	.0190	.0773	-.0088	778.
.2170	496.	-1201.	38.	-2238.	-575.	-1631.	-.0246	.0331	-.0390	.0136	.0703	-.0076	1135.
.2180	615.	-905.	-35.	-2852.	-527.	-2371.	-.0196	.0306	-.0361	.0081	.0627	-.0061	1503.
.2190	724.	-725.	-125.	-3464.	-471.	-2964.	-.0158	.0275	-.0328	.0026	.0554	-.0046	1839.
.2200	772.	-453.	-223.	-4028.	-412.	-3264.	-.0134	.0240	-.0289	-.0028	.0485	-.0037	2087.
.2210	723.	-57.	-307.	-4473.	-349.	-3180.	-.0125	.0202	-.0241	-.0082	.0419	-.0035	2207.
.2220	588.	308.	-362.	-4736.	-277.	-2732.	-.0130	.0161	-.0183	-.0138	.0347	-.0039	2197.
.2230	409.	581.	-381.	-4786.	-192.	-2024.	-.0147	.0122	-.0112	-.0195	.0262	-.0045	2087.
.2240	233.	849.	-372.	-4624.	-90.	-1190.	-.0173	.0084	-.0028	-.0252	.0159	-.0049	1916.
.2250	91.	1143.	-346.	-4268.	25.	-327.	-.0204	.0051	.0070	-.0308	.0036	-.0046	1718.
.2260	-23.	1374.	-305.	-3734.	143.	537.	-.0238	.0025	.0182	-.0361	-.0097	-.0039	1515.
.2270	-137.	1522.	-248.	-3034.	255.	1422.	-.0272	.0006	.0307	-.0410	-.0232	-.0031	1349.
.2280	-273.	1650.	-178.	-2192.	355.	2335.	-.0302	-.0005	.0444	-.0455	-.0364	-.0024	1293.
.2290	-433.	1754.	-94.	-1222.	438.	3245.	-.0327	-.0010	.0591	-.0493	-.0487	-.0021	1402.
.2300	-606.	1773.	15.	-122.	496.	4079.	-.0341	-.0006	.0747	-.0526	-.0589	-.0019	1650.
.2310	-756.	1721.	150.	1089.	526.	4720.	-.0342	.0004	.0909	-.0554	-.0564	-.0018	1955.
.2320	-834.	1664.	301.	2366.	531.	5035.	-.0328	.0021	.1074	-.0573	-.0716	-.0011	2243.
.2330	-820.	1548.	461.	3670.	516.	4963.	-.0297	.0044	.1239	-.0586	-.0751	.0002	2486.
.2340	-727.	1286.	629.	4964.	485.	4534.	-.0249	.0071	.1401	-.0590	-.0774	.0021	2705.
.2350	-581.	937.	785.	6178.	445.	3827.	-.0186	.0101	.1556	-.0586	-.0792	.0042	2922.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
LOADS
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

.2240	237.	849.	-772.	-4624.	-90.	-1190.	-.0173	.0084	-.0028	-.0252	.0159	-.0049	1916.
.2250	91.	1143.	-346.	-4268.	25.	-327.	-.0204	.0051	.0070	-.0308	.0036	-.0046	1718.
.2260	-23.	1374.	-305.	-3734.	143.	537.	-.0238	.0025	.0182	-.0361	-.0097	-.0039	1515.
.2270	-137.	1522.	-248.	-3074.	255.	1422.	-.0272	.0006	.0307	-.0410	-.0232	-.0031	1349.
.2280	-277.	1650.	-178.	-2192.	355.	2375.	-.0302	-.0005	.0444	-.0455	-.0364	-.0024	1293.
.2290	-433.	1754.	-94.	-1222.	435.	3245.	-.0327	-.0010	.0591	-.0493	-.0487	-.0021	1402.
.2300	-606.	1773.	15.	-122.	496.	4079.	-.0341	-.0006	.0747	-.0526	-.0589	-.0019	1650.
.2310	-756.	1721.	150.	1089.	526.	4720.	-.0342	.0004	.0909	-.0554	-.0664	-.0018	1955.
.2320	-834.	1664.	301.	2366.	531.	5035.	-.0328	.0021	.1074	-.0573	-.0716	-.0011	2243.
.2330	-820.	1548.	461.	3670.	516.	4963.	-.0297	.0044	.1239	-.0586	-.0751	.0002	2486.
.2340	-727.	1296.	629.	4964.	485.	4534.	-.0249	.0071	.1401	-.0590	-.0774	.0021	2705.
.2350	-561.	937.	785.	6178.	445.	3827.	-.0186	.0101	.1556	-.0586	-.0792	.0042	2922.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
2 SAFETY COLD FKW24F--2 PSV

CONDITION 24
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INTERNAL FORCES IN THE PIPING
FORCES AND MOMENTS ACT ON THE PIPING

SECTION 33 MEMBER 1 SEQUENCE 816 LOCATION END TYPE RU

TIME (SEC)	FX (LB)	FY (LB)	FZ (LB)	MX (FT-LB)	MY (FT-LB)	MZ (FT-LB)	DX (IN)	DY (IN)	DZ (IN)	RX (DEG)	RY (DEG)	RZ (DEG)	STRESS (PSI)
.2360	-407.	611.	908.	7235.	402.	2938.	-.0110	.0133	.1700	-.0573	-.0809	.0065	3138.
.2370	-234.	275.	992.	8098.	356.	1973.	-.0026	.0166	.1830	-.0550	-.0819	.0085	3348.
.2380	-79.	-176.	1042.	8759.	305.	1012.	.0064	.0197	.1945	-.0521	-.0812	.0103	3540.
.2390	64.	-671.	1064.	9223.	247.	86.	.0157	.0227	.2041	-.0489	-.0784	.0118	3702.
.2400	200.	-1019.	1066.	9509.	187.	-786.	.0250	.0253	.2118	-.0456	-.0735	.0132	3830.
.2410	324.	-1203.	1065.	9660.	124.	-1573.	.0340	.0275	.2174	-.0428	-.0668	.0145	3928.
.2420	424.	-1362.	1078.	9710.	60.	-2246.	.0425	.0292	.2210	-.0408	-.0586	.0155	4000.
.2430	494.	-1558.	1109.	9672.	0.	-2738.	.0503	.0303	.2224	-.0399	-.0495	.0162	4039.
.2440	533.	-1684.	1157.	9531.	-53.	-3204.	.0573	.0308	.2217	-.0404	-.0396	.0166	4035.
.2450	561.	-1652.	1198.	9232.	-97.	-3533.	.0635	.0307	.2187	-.0419	-.0292	.0168	3967.
.2460	598.	-1521.	1201.	8702.	-128.	-3818.	.0688	.0299	.2135	-.0443	-.0189	.0170	3814.
.2470	637.	-1360.	1137.	7893.	-148.	-4045.	.0731	.0285	.2062	-.0471	-.0090	.0170	3559.
.2480	646.	-1201.	1013.	6834.	-162.	-4154.	.0764	.0264	.1971	-.0502	.0005	.0167	3210.
.2490	614.	-1057.	852.	5606.	-172.	-4120.	.0786	.0238	.1864	-.0536	.0095	.0159	2793.
.2500	563.	-858.	664.	4286.	-174.	-3988.	.0798	.0207	.1748	-.0571	.0173	.0148	2350.
.2510	518.	-573.	465.	2962.	-165.	-3805.	.0801	.0172	.1626	-.0606	.0232	.0137	1936.
.2520	480.	-287.	282.	1742.	-144.	-3576.	.0794	.0135	.1504	-.0639	.0269	.0127	1597.
.2530	435.	-58.	136.	719.	-113.	-3273.	.0780	.0098	.1386	-.0669	.0285	.0118	1345.
.2540	371.	196.	33.	-68.	-75.	-2872.	.0758	.0062	.1275	-.0694	.0280	.0108	1153.
.2550	286.	521.	-42.	-628.	-34.	-2372.	.0729	.0028	.1175	-.0709	.0257	.0098	985.
.2560	191.	868.	-108.	-992.	4.	-1804.	.0696	-.0003	.1087	-.0713	.0221	.0089	826.
.2570	97.	1238.	-174.	-1180.	39.	-1202.	.0660	-.0030	.1012	-.0703	.0173	.0082	676.
.2580	2.	1493.	-227.	-1175.	71.	-584.	.0622	-.0053	.0950	-.0680	.0118	.0075	527.
.2590	-93.	1563.	-254.	-964.	99.	27.	.0586	-.0075	.0902	-.0648	.0061	.0069	389.
.2600	-180.	1685.	-257.	-571.	126.	587.	.0552	-.0095	.0866	-.0608	-.0000	.0064	333.
.2610	-246.	1984.	-244.	-33.	154.	1054.	.0524	-.0114	.0842	-.0560	-.0068	.0059	428.
.2620	-293.	2204.	-211.	625.	183.	1404.	.0502	-.0133	.0826	-.0510	-.0138	.0054	621.
.2630	-324.	2195.	-157.	1375.	215.	1633.	.0487	-.0152	.0817	-.0458	-.0211	.0048	861.
.2640	-342.	2124.	-91.	2161.	254.	1736.	.0480	-.0171	.0811	-.0407	-.0284	.0039	1117.
.2650	-348.	2054.	-28.	2920.	302.	1712.	.0482	-.0191	.0806	-.0356	-.0358	.0028	1364.
.2660	-342.	1948.	24.	3607.	357.	1564.	.0491	-.0211	.0800	-.0308	-.0430	.0014	1584.
.2670	-326.	1736.	64.	4201.	419.	1303.	.0509	-.0230	.0790	-.0262	-.0497	-.0003	1773.
.2680	-304.	1387.	98.	4699.	489.	948.	.0534	-.0248	.0774	-.0219	-.0559	-.0023	1934.
.2690	-279.	1134.	125.	5093.	569.	520.	.0564	-.0266	.0751	-.0180	-.0616	-.0045	2067.
.2700	-250.	1156.	136.	5370.	659.	28.	.0599	-.0282	.0721	-.0143	-.0670	-.0068	2171.
.2710	-214.	1202.	129.	5531.	753.	-516.	.0637	-.0294	.0682	-.0106	-.0719	-.0090	2249.
.2720	-170.	762.	114.	5599.	844.	-1098.	.0676	-.0302	.0635	-.0071	-.0757	-.0110	2315.
.2730	-119.	-76.	94.	5593.	927.	-1699.	.0714	-.0306	.0579	-.0036	-.0783	-.0127	2375.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
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FORCES AND MOMENTS ACT ON THE PIPING