50-305

RESPONSE TO NUREG-0737 ITEM II.D.1

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

.2500	1727.	142.	[illegible]	[illegible]	1620.	74.	[illegible]	.0766	-.0523	-.0694	.0796	-.0040	2295.
.2510	1792.	-81.	-1223.	20.	1220.	-51.	.0534	.1009	-.0586	-.0705	.0847	.0002	1724.
.2520	1404.	-302.	-718.	76.	792.	-196.	.0567	.1054	-.0636	-.0728	.0656	.0043	1157.
.2530	969.	-463.	-268.	116.	391.	-300.	.0582	.1099	-.0675	-.0768	.0462	.0094	715.
.2540	704.	-540.	156.	134.	48.	-347.	.0583	.1147	-.0706	-.0828	.0291	.0160	530.
.2550	487.	-543.	429.	174.	-181.	-348.	.0571	.1199	-.0730	-.0905	.0166	.0239	585.
.2560	282.	-487.	518.	121.	-283.	-314.	.0550	.1256	-.0749	-.0998	.0092	.0331	621.
.2570	251.	-358.	539.	90.	-301.	-233.	.0523	.1315	-.0767	-.1106	.0070	.0435	552.
.2580	279.	-139.	479.	35.	-253.	-92.	.0492	.1376	-.0784	-.1231	.0093	.0552	384.
.2590	198.	149.	284.	-38.	-146.	98.	.0456	.1435	-.0801	-.1366	.0154	.0675	253.
.2600	201.	443.	61.	-113.	-3.	292.	.0417	.1493	-.0817	-.1497	.0247	.0789	442.
.2610	379.	671.	-154.	-170.	177.	441.	.0375	.1550	-.0827	-.1611	.0367	.0878	713.

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 16 MEMBER 2 SEQUENCE 852 LOCATION END TYPE EL

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)
.2620	532.	801.	-470.	-202.	420.	522.	.0326	.1604	-.0831	-.1703	.0509	.0930	988.
.2630	646.	856.	-853.	-214.	701.	553.	.0269	.1653	-.0825	-.1772	.0657	.0948	1296.
.2640	851.	868.	-1176.	-217.	963.	561.	.0204	.1694	-.0808	-.1817	.0790	.0937	1604.
.2650	1008.	829.	-1441.	-209.	1177.	540.	.0128	.1729	-.0780	-.1836	.0886	.0898	1852.
.2660	962.	707.	-1644.	-179.	1303.	462.	.0042	.1759	-.0740	-.1831	.0923	.0826	1970.
.2670	858.	503.	-1636.	-126.	1276.	326.	-.0052	.1786	-.0689	-.1808	.0886	.0722	1868.
.2680	718.	268.	-1382.	-65.	1075.	169.	-.0153	.1809	-.0630	-.1776	.0770	.0600	1539.
.2690	397.	72.	-1009.	-15.	751.	40.	-.0259	.1827	-.0562	-.1747	.0586	.0479	1062.
.2700	3.	-44.	-562.	13.	360.	-34.	-.0367	.1841	-.0488	-.1727	.0360	.0370	511.
.2710	-265.	-81.	-64.	22.	-34.	-57.	-.0474	.1852	-.0408	-.1715	.0122	.0279	98.
.2720	-489.	-58.	328.	16.	-344.	-43.	-.0577	.1860	-.0323	-.1710	-.0096	.0206	490.
.2730	-740.	14.	515.	-1.	-521.	2.	-.0676	.1865	-.0236	-.1707	-.0278	.0152	735.
.2740	-802.	135.	631.	-31.	-605.	81.	-.0765	.1867	-.0151	-.1705	-.0424	.0120	864.
.2750	-739.	280.	704.	-69.	-632.	177.	-.0845	.1863	-.0070	-.1697	-.0541	.0105	933.
.2760	-778.	391.	682.	-97.	-622.	252.	-.0913	.1856	.0003	-.1675	-.0643	.0099	958.
.2770	-837.	434.	676.	-107.	-628.	277.	-.0970	.1845	.0066	-.1637	-.0740	.0095	981.
.2780	-801.	423.	772.	-103.	-684.	266.	-.1013	.1828	.0118	-.1586	-.0838	.0093	1046.
.2790	-826.	401.	865.	-96.	-754.	249.	-.1043	.1805	.0158	-.1526	-.0934	.0103	1129.
.2800	-959.	395.	885.	-95.	-801.	245.	-.1061	.1773	.0188	-.1463	-.1017	.0126	1190.
.2810	-1009.	412.	896.	-99.	-822.	257.	-.1066	.1734	.0208	-.1400	-.1079	.0163	1225.
.2820	-979.	453.	879.	-110.	-805.	284.	-.1058	.1686	.0219	-.1339	-.1114	.0210	1215.
.2830	-1016.	506.	765.	-124.	-737.	320.	-.1036	.1631	.0222	-.1281	-.1125	.0262	1149.
.2840	-1040.	549.	641.	-135.	-659.	350.	-.1000	.1569	.0216	-.1223	-.1117	.0312	1071.
.2850	-943.	566.	617.	-139.	-620.	361.	-.0950	.1500	.0202	-.1160	-.1099	.0356	1032.
.2860	-851.	560.	649.	-138.	-620.	356.	-.0885	.1424	.0178	-.1095	-.1073	.0394	1029.
.2870	-841.	539.	678.	-132.	-640.	342.	-.0809	.1342	.0147	-.1029	-.1034	.0424	1042.
.2880	-782.	504.	720.	-124.	-659.	321.	-.0722	.1253	.0109	-.0963	-.0970	.0447	1050.
.2890	-628.	461.	729.	-113.	-633.	292.	-.0626	.1157	.0067	-.0896	-.0868	.0464	998.
.2900	-471.	425.	599.	-103.	-513.	268.	-.0525	.1056	.0023	-.0828	-.0717	.0479	830.
.2910	-288.	415.	327.	-101.	-292.	261.	-.0421	.0948	-.0020	-.0762	-.0518	.0494	572.
.2920	-21.	430.	-17.	-105.	-2.	273.	-.0316	.0833	-.0061	-.0696	-.0283	.0507	413.
.2930	250.	447.	-405.	-111.	320.	287.	-.0212	.0714	-.0098	-.0623	-.0032	.0517	626.
.2940	458.	439.	-774.	-110.	615.	284.	-.0112	.0590	-.0130	-.0539	.0210	.0518	969.
.2950	637.	392.	-1014.	-98.	817.	254.	-.0016	.0463	-.0157	-.0438	.0418	.0508	1216.
.2960	758.	306.	-1085.	-76.	892.	198.	.0073	.0334	-.0178	-.0320	.0577	.0488	1295.
.2970	756.	195.	-1024.	-48.	850.	125.	.0154	.0202	-.0193	-.0187	.0683	.0463	1215.
.2980	675.	78.	-852.	-19.	716.	50.	.0227	.0069	-.0201	-.0043	.0742	.0435	1014.
.2990	581.	-35.	-605.	8.	529.	-21.	.0292	-.0064	-.0203	.0107	.0768	.0409	748.

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

.2880	-782.	504.	720.	-124.	-659.	321.	-.0722	.1253	.0109	-.0963	-.0970	.0447	1050.
.2890	-628.	461.	729.	-113.	-633.	292.	-.0626	.1157	.0067	-.0896	-.0868	.0464	998.
.2900	-471.	425.	599.	-103.	-513.	268.	-.0525	.1056	.0023	-.0828	-.0717	.0479	830.
.2910	-288.	415.	327.	-101.	-292.	261.	-.0421	.0948	-.0020	-.0762	-.0518	.0494	572.
.2920	-21.	430.	-17.	-105.	-2.	273.	-.0316	.0833	-.0061	-.0696	-.0283	.0507	413.
.2930	250.	447.	-405.	-111.	320.	287.	-.0212	.0714	-.0098	-.0623	-.0032	.0517	626.
.2940	458.	439.	-774.	-110.	615.	284.	-.0112	.0590	-.0130	-.0539	.0210	.0518	969.
.2950	637.	392.	-1014.	-98.	817.	254.	-.0016	.0463	-.0157	-.0438	.0418	.0508	1216.
.2960	758.	306.	-1085.	-76.	892.	198.	.0073	.0334	-.0178	-.0320	.0577	.0488	1295.
.2970	756.	195.	-1024.	-48.	850.	125.	.0154	.0202	-.0193	-.0187	.0683	.0463	1215.
.2980	675.	78.	-852.	-19.	716.	50.	.0227	.0069	-.0201	-.0043	.0742	.0435	1014.
.2990	581.	-35.	-605.	8.	529.	-21.	.0292	-.0064	-.0203	.0107	.0768	.0409	748.

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 16 MEMBER 2 SEQUENCE 852 LOCATION END TYPE EL

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)
.3000	469.	-146.	-356.	35.	339.	-92.	.0350	-.0196	-.0198	.0260	.0777	.0383	499.
.3010	353.	-261.	-151.	64.	179.	-165.	.0401	-.0326	-.0188	.0413	.0781	.0358	356.
.3020	287.	-375.	11.	92.	59.	-238.	.0445	-.0452	-.0175	.0564	.0787	.0336	371.
.3030	252.	-478.	120.	117.	-18.	-304.	.0485	-.0573	-.0161	.0709	.0798	.0318	460.
.3040	217.	-577.	166.	141.	-55.	-365.	.0521	-.0687	-.0146	.0847	.0815	.0306	558.
.3050	218.	-686.	179.	168.	-63.	-434.	.0553	-.0793	-.0133	.0978	.0837	.0297	663.
.3060	270.	-805.	165.	198.	-43.	-511.	.0581	-.0890	-.0121	.1100	.0865	.0291	777.
.3070	335.	-908.	89.	224.	20.	-580.	.0603	-.0976	-.0110	.1207	.0902	.0292	878.
.3080	425.	-963.	-58.	238.	135.	-616.	.0620	-.1051	-.0096	.1292	.0948	.0305	952.
.3090	576.	-950.	-256.	235.	300.	-608.	.0630	-.1117	-.0080	.1351	.1001	.0330	1013.
.3100	754.	-861.	-504.	213.	505.	-551.	.0630	-.1174	-.0059	.1380	.1054	.0368	1098.
.3110	912.	-698.	-780.	173.	725.	-446.	.0620	-.1221	-.0031	.1381	.1094	.0414	1227.
.3120	1063.	-468.	-1009.	115.	914.	-298.	.0598	-.1262	.0004	.1358	.1103	.0466	1368.
.3130	1178.	-192.	-1136.	46.	1027.	-120.	.0563	-.1298	.0045	.1316	.1064	.0515	1461.
.3140	1168.	98.	-1154.	-26.	1038.	68.	.0515	-.1330	.0094	.1266	.0968	.0553	1470.
.3150	1043.	362.	-1035.	-93.	931.	240.	.0455	-.1361	.0147	.1215	.0810	.0568	1364.
.3160	844.	564.	-772.	-143.	710.	371.	.0383	-.1392	.0206	.1176	.0598	.0553	1150.
.3170	565.	676.	-421.	-171.	412.	443.	.0302	-.1424	.0268	.1155	.0347	.0501	888.
.3180	226.	689.	-42.	-174.	81.	451.	.0215	-.1458	.0333	.1156	.0078	.0409	692.
.3190	-119.	604.	318.	-153.	-238.	396.	.0125	-.1494	.0398	.1179	-.0187	.0281	687.
.3200	-405.	435.	635.	-110.	-514.	286.	.0036	-.1532	.0462	.1221	-.0429	.0121	846.
.3210	-651.	200.	860.	-51.	-719.	133.	-.0048	-.1571	.0522	.1280	-.0634	-.0062	1035.
.3220	-860.	-74.	982.	17.	-846.	-45.	-.0126	-.1609	.0577	.1350	-.0794	-.0257	1197.
.3230	-989.	-361.	1038.	89.	-912.	-229.	-.0193	-.1645	.0624	.1424	-.0910	-.0454	1334.
.3240	-1054.	-636.	1037.	157.	-927.	-407.	-.0247	-.1677	.0663	.1494	-.0983	-.0640	1447.
.3250	-1108.	-880.	966.	218.	-893.	-565.	-.0289	-.1703	.0693	.1557	-.1016	-.0807	1524.
.3260	-1104.	-1064.	863.	265.	-825.	-685.	-.0316	-.1721	.0713	.1604	-.1014	-.0945	1560.
.3270	-1025.	-1163.	749.	290.	-733.	-749.	-.0328	-.1730	.0726	.1629	-.0981	-.1046	1536.
.3280	-932.	-1167.	595.	291.	-611.	-752.	-.0328	-.1730	.0732	.1630	-.0922	-.1106	1429.
.3290	-817.	-1085.	418.	270.	-467.	-698.	-.0315	-.1721	.0732	.1604	-.0843	-.1127	1246.
.3300	-637.	-926.	264.	231.	-322.	-597.	-.0290	-.1704	.0728	.1554	-.0754	-.1112	1012.
.3310	-458.	-702.	136.	175.	-192.	-453.	-.0257	-.1680	.0720	.1482	-.0667	-.1064	738.
.3320	-343.	-429.	39.	107.	-98.	-276.	-.0216	-.1651	.0707	.1393	-.0592	-.0990	441.
.3330	-260.	-141.	28.	34.	-69.	-88.	-.0169	-.1620	.0689	.1294	-.0538	-.0899	166.
.3340	-191.	119.	127.	-31.	-117.	80.	-.0117	-.1586	.0665	.1196	-.0511	-.0803	205.
.3350	-194.	315.	286.	-80.	-222.	207.	-.0060	-.1553	.0636	.1108	-.0505	-.0712	443.
.3360	-244.	434.	479.	-109.	-361.	283.	-.0000	-.1521	.0599	.1035	-.0511	-.0631	666.
.3370	-267.	477.	691.	-120.	-507.	310.	.0063	-.1492	.0555	.0980	-.0516	-.0564	857.

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

.3260	-1164.	-1064.	868.	265.	-825.	-685.	-.0316	-.1721	.0713	.1604	-.1014	-.0945	1560.
.3270	-1025.	-1163.	749.	290.	-733.	-749.	-.0328	-.1730	.0726	.1629	-.0981	-.1046	1536.
.3280	-932.	-1167.	595.	291.	-611.	-752.	-.0328	-.1730	.0732	.1630	-.0922	-.1106	1429.
.3290	-817.	-1085.	418.	270.	-467.	-698.	-.0315	-.1721	.0732	.1604	-.0843	-.1127	1246.
.3300	-637.	-926.	264.	231.	-322.	-597.	-.0290	-.1704	.0728	.1554	-.0754	-.1112	1012.
.3310	-459.	-702.	136.	175.	-192.	-453.	-.0257	-.1680	.0720	.1482	-.0667	-.1064	738.
.3320	-343.	-429.	39.	107.	-98.	-276.	-.0216	-.1651	.0707	.1393	-.0592	-.0990	441.
.3330	-260.	-141.	28.	34.	-69.	-88.	-.0169	-.1620	.0689	.1294	-.0538	-.0899	166.
.3340	-191.	119.	127.	-31.	-117.	80.	-.0117	-.1586	.0665	.1196	-.0511	-.0803	205.
.3350	-194.	315.	286.	-80.	-222.	207.	-.0060	-.1553	.0636	.1108	-.0505	-.0712	443.
.3360	-244.	434.	479.	-109.	-361.	283.	-.0000	-.1521	.0599	.1035	-.0511	-.0631	666.
.3370	-267.	477.	691.	-120.	-507.	310.	.0063	-.1492	.0555	.0980	-.0516	-.0564	857.

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 16 MEMBER 2 SEQUENCE 852 LOCATION END TYPE EL

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)
.3380	-275.	448.	857.	-113.	-620.	292.	.0129	-.1466	.0504	.0946	-.0505	-.0512	981.
.3390	-285.	350.	916.	-89.	-663.	230.	.0197	-.1442	.0445	.0930	-.0467	-.0475	998.
.3400	-250.	191.	868.	-49.	-623.	127.	.0266	-.1419	.0380	.0929	-.0395	-.0453	900.
.3410	-154.	-5.	724.	0.	-506.	-1.	.0335	-.1396	.0308	.0937	-.0290	-.0442	715.
.3420	-55.	-204.	486.	50.	-327.	-130.	.0405	-.1372	.0231	.0946	-.0159	-.0434	502.
.3430	34.	-376.	191.	93.	-114.	-240.	.0474	-.1346	.0151	.0947	-.0014	-.0426	397.
.3440	141.	-504.	-103.	124.	102.	-322.	.0542	-.1316	.0068	.0934	.0134	-.0413	508.
.3450	255.	-586.	-369.	144.	301.	-374.	.0608	-.1281	-.0013	.0903	.0275	-.0396	707.
.3460	347.	-615.	-599.	152.	471.	-393.	.0670	-.1239	-.0092	.0851	.0402	-.0374	892.
.3470	434.	-584.	-772.	144.	602.	-373.	.0728	-.1192	-.0164	.0777	.0508	-.0348	1021.
.3480	525.	-490.	-879.	120.	692.	-312.	.0781	-.1138	-.0229	.0683	.0592	-.0317	1086.
.3490	596.	-350.	-935.	85.	745.	-220.	.0827	-.1079	-.0284	.0573	.0652	-.0285	1104.
.3500	647.	-190.	-940.	45.	761.	-116.	.0865	-.1016	-.0330	.0455	.0688	-.0258	1089.
.3510	691.	-32.	-887.	6.	738.	-15.	.0895	-.0949	-.0366	.0335	.0699	-.0241	1042.
.3520	703.	107.	-789.	-29.	677.	74.	.0916	-.0879	-.0393	.0220	.0687	-.0235	963.
.3530	676.	217.	-664.	-56.	589.	145.	.0927	-.0809	-.0412	.0118	.0657	-.0241	861.
.3540	644.	284.	-519.	-73.	486.	188.	.0929	-.0738	-.0423	.0034	.0613	-.0261	743.
.3550	619.	298.	-382.	-76.	389.	197.	.0922	-.0668	-.0427	-.0029	.0566	-.0294	625.
.3560	592.	259.	-294.	-66.	325.	171.	.0905	-.0599	-.0424	-.0070	.0524	-.0338	527.
.3570	585.	176.	-268.	-45.	306.	116.	.0878	-.0531	-.0414	-.0088	.0492	-.0390	466.
.3580	620.	60.	-299.	-16.	335.	41.	.0841	-.0463	-.0398	-.0089	.0472	-.0444	477.
.3590	671.	-76.	-387.	18.	406.	-47.	.0795	-.0395	-.0376	-.0076	.0460	-.0498	578.
.3600	717.	-217.	-511.	54.	500.	-138.	.0738	-.0326	-.0347	-.0056	.0450	-.0546	737.
.3610	763.	-349.	-621.	86.	586.	-224.	.0671	-.0255	-.0312	-.0036	.0431	-.0584	894.
.3620	787.	-452.	-686.	113.	636.	-291.	.0594	-.0182	-.0272	-.0024	.0392	-.0609	1000.
.3630	754.	-515.	-691.	128.	632.	-332.	.0508	-.0105	-.0226	-.0025	.0326	-.0617	1025.
.3640	675.	-528.	-617.	132.	596.	-341.	.0413	-.0025	-.0177	-.0044	.0230	-.0607	952.
.3650	566.	-484.	-462.	121.	440.	-313.	.0310	.0058	-.0123	-.0083	.0107	-.0576	782.
.3660	407.	-379.	-256.	95.	267.	-247.	.0201	.0143	-.0068	-.0142	-.0040	-.0526	531.
.3670	197.	-219.	-23.	56.	66.	-144.	.0087	.0229	-.0012	-.0219	-.0201	-.0458	237.
.3680	-24.	-17.	231.	5.	-152.	-14.	-.0028	.0314	.0042	-.0310	-.0367	-.0376	216.
.3690	-239.	201.	489.	-49.	-371.	128.	-.0143	.0398	.0093	-.0407	-.0531	-.0285	559.
.3700	-460.	410.	718.	-101.	-573.	263.	-.0254	.0478	.0138	-.0503	-.0680	-.0194	902.
.3710	-669.	586.	907.	-145.	-747.	376.	-.0359	.0553	.0175	-.0593	-.0808	-.0108	1199.
.3720	-831.	718.	1050.	-178.	-880.	461.	-.0456	.0622	.0204	-.0671	-.0904	-.0031	1425.
.3730	-950.	797.	1121.	-198.	-956.	511.	-.0543	.0684	.0223	-.0734	-.0962	.0034	1557.
.3740	-1028.	816.	1098.	-202.	-962.	524.	-.0618	.0737	.0233	-.0779	-.0977	.0083	1573.
.3750	-1043.	773.	987.	-192.	-894.	496.	-.0681	.0782	.0235	-.0806	-.0947	.0117	1469.

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

.3640	675.	-528.	-417.	132.	566.	-341.	.0413	-.0025	-.0177	-.0044	.0230	-.0607	952.
.3650	566.	-484.	-462.	121.	440.	-313.	.0310	.0058	-.0123	-.0083	.0107	-.0576	782.
.3660	407.	-379.	-256.	95.	267.	-247.	.0201	.0143	-.0068	-.0142	-.0040	-.0526	531.
.3670	197.	-219.	-23.	56.	66.	-144.	.0087	.0229	-.0012	-.0219	-.0201	-.0458	237.
.3680	-24.	-17.	231.	5.	-152.	-14.	-.0028	.0314	.0042	-.0310	-.0367	-.0376	216.
.3690	-239.	201.	489.	-49.	-371.	128.	-.0143	.0398	.0093	-.0407	-.0531	-.0285	559.
.3700	-460.	410.	718.	-101.	-573.	263.	-.0254	.0478	.0138	-.0503	-.0580	-.0194	902.
.3710	-669.	586.	907.	-145.	-747.	376.	-.0359	.0553	.0175	-.0593	-.0808	-.0108	1199.
.3720	-831.	718.	1050.	-178.	-880.	461.	-.0456	.0622	.0204	-.0671	-.0904	-.0031	1425.
.3730	-950.	797.	1121.	-198.	-956.	511.	-.0543	.0684	.0223	-.0734	-.0962	.0034	1557.
.3740	-1028.	816.	1098.	-202.	-962.	524.	-.0618	.0737	.0233	-.0779	-.0977	.0083	1573.
.3750	-1043.	773.	987.	-192.	-894.	496.	-.0681	.0782	.0235	-.0806	-.0947	.0117	1469.

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 16 MEMBER 2 SEQUENCE 852 LOCATION END TYPE EL

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)
.3760	-994.	678.	799.	-168.	-760.	434.	-.0731	.0820	.0229	-.0816	-.0376	.0136	1258.
.3770	-915.	551.	548.	-136.	-576.	352.	-.0768	.0851	.0218	-.0813	-.0773	.0146	973.
.3780	-819.	411.	272.	-101.	-373.	262.	-.0794	.0875	.0201	-.0801	-.0651	.0151	659.
.3790	-708.	263.	23.	-65.	-183.	168.	-.0807	.0894	.0181	-.0783	-.0525	.0152	363.
.3800	-605.	113.	-166.	-27.	-35.	71.	-.0810	.0909	.0160	-.0763	-.0406	.0152	118.
.3810	-537.	-27.	-280.	8.	56.	-20.	-.0802	.0923	.0137	-.0744	-.0304	.0156	85.
.3820	-500.	-134.	-306.	35.	81.	-91.	-.0785	.0935	.0114	-.0730	-.0225	.0168	179.
.3830	-485.	-190.	-249.	49.	47.	-127.	-.0759	.0946	.0091	-.0725	-.0168	.0195	203.
.3840	-490.	-189.	-139.	49.	-28.	-126.	-.0725	.0956	.0069	-.0730	-.0129	.0238	194.
.3850	-501.	-141.	-3.	36.	-119.	-94.	-.0683	.0966	.0046	-.0743	-.0101	.0297	220.
.3860	-496.	-59.	140.	16.	-210.	-41.	-.0634	.0975	.0024	-.0760	-.0076	.0368	303.
.3870	-470.	46.	269.	-10.	-287.	27.	-.0578	.0984	-.0001	-.0779	-.0049	.0449	407.
.3880	-431.	160.	368.	-39.	-341.	102.	-.0516	.0990	-.0028	-.0795	-.0018	.0536	506.
.3890	-372.	264.	434.	-66.	-369.	170.	-.0448	.0994	-.0059	-.0805	.0022	.0625	582.
.3900	-290.	333.	462.	-83.	-368.	215.	-.0376	.0996	-.0094	-.0804	.0072	.0709	613.
.3910	-191.	362.	441.	-90.	-331.	232.	-.0301	.0996	-.0134	-.0789	.0135	.0785	586.
.3920	-75.	357.	367.	-88.	-256.	229.	-.0225	.0992	-.0176	-.0762	.0211	.0854	501.
.3930	63.	330.	238.	-82.	-141.	212.	-.0149	.0985	-.0221	-.0724	.0302	.0915	378.
.3940	222.	282.	56.	-70.	14.	182.	-.0076	.0976	-.0267	-.0680	.0404	.0966	277.
.3950	393.	208.	-166.	-52.	200.	135.	-.0007	.0964	-.0311	-.0630	.0514	.1005	348.
.3960	567.	117.	-403.	-29.	396.	75.	.0055	.0952	-.0352	-.0578	.0623	.1034	571.
.3970	722.	31.	-622.	-7.	577.	19.	.0110	.0938	-.0388	-.0528	.0721	.1055	816.
.3980	839.	-34.	-794.	9.	717.	-22.	.0155	.0925	-.0419	-.0486	.0797	.1071	1014.
.3990	913.	-75.	-894.	19.	800.	-48.	.0189	.0911	-.0443	-.0451	.0845	.1083	1132.
.4000	948.	-98.	-913.	24.	819.	-62.	.0212	.0899	-.0458	-.0425	.0863	.1090	1161.

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)
.0290	6095.	128.	-8522.	-3.	7191.	7.	.1266	.0452	-.0356	-.0182	.3462	-.0359	10157.

SECTION 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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
PRESSURE
ENGLISH UNITS

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

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)
.0290	6095.	128.	-8522.	-3.	7191.	7.	.1266	.0452	-.0356	-.0182	.3462	-.0359	10157.

SECTION 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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
PRESSURE
ENGLISH UNITS

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

SECTION 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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.	-1.	-4.	0.	3.	-1.	-.0000	-.0000	-.0000	-.0000	-.0001	.0000	4.
.0020	11.	-8.	-24.	2.	19.	-5.	-.0000	-.0000	-.0002	-.0000	-.0005	.0001	28.
.0030	52.	-12.	-56.	3.	50.	-8.	-.0001	-.0000	-.0006	.0001	-.0015	.0001	72.
.0040	115.	3.	-95.	-1.	92.	2.	-.0001	.0000	-.0012	.0004	-.0029	-.0001	130.
.0050	185.	44.	-134.	-11.	136.	29.	-.0003	.0003	-.0021	.0010	-.0042	-.0008	196.
.0060	300.	100.	-137.	-26.	167.	66.	-.0004	.0006	-.0034	.0017	-.0052	-.0018	256.
.0070	445.	148.	-137.	-38.	204.	97.	-.0006	.0012	-.0053	.0021	-.0064	-.0026	324.
.0080	580.	181.	-231.	-46.	301.	120.	-.0006	.0019	-.0082	.0022	-.0091	-.0032	462.
.0090	821.	251.	-379.	-64.	460.	166.	-.0002	.0031	-.0122	.0023	-.0141	-.0043	696.
.0100	1144.	413.	-559.	-105.	661.	272.	.0009	.0052	-.0174	.0026	-.0205	-.0067	1021.
.0110	1360.	648.	-806.	-165.	879.	428.	.0032	.0082	-.0236	.0024	-.0264	-.0101	1400.
.0120	1461.	866.	-1008.	-221.	1038.	571.	.0067	.0121	-.0306	.0003	-.0294	-.0130	1702.
.0130	1565.	976.	-960.	-249.	1033.	644.	.0114	.0167	-.0380	-.0052	-.0269	-.0137	1755.
.0140	1676.	973.	-531.	-248.	778.	642.	.0169	.0221	-.0448	-.0144	-.0167	-.0121	1467.
.0150	1758.	886.	297.	-226.	252.	585.	.0234	.0285	-.0503	-.0275	.0013	-.0087	955.
.0160	1997.	700.	1515.	-179.	-491.	462.	.0305	.0355	-.0536	-.0441	.0244	-.0034	985.
.0170	1975.	331.	2576.	-84.	-1197.	218.	.0386	.0425	-.0547	-.0641	.0465	.0049	1723.
.0180	969.	-276.	2655.	70.	-1506.	-182.	.0483	.0488	-.0541	-.0859	.0604	.0170	2144.
.0190	-906.	-1047.	1429.	267.	-1174.	-691.	.0595	.0539	-.0529	-.1066	.0591	.0315	1961.
.0200	-3757.	-1814.	-1595.	463.	95.	-1198.	.0731	.0577	-.0538	-.1219	.0356	.0455	1819.
.0210	-6350.	-2207.	-5499.	563.	2010.	-1457.	.0893	.0607	-.0581	-.1266	-.0056	.0531	3596.
.0220	-5799.	-1866.	-7156.	476.	3245.	-1232.	.1049	.0642	-.0629	-.1188	-.0346	.0478	4949.
.0230	-3951.	-1064.	-6529.	272.	3303.	-703.	.1187	.0674	-.0664	-.1034	-.0298	.0334	4785.
.0240	-1531.	-509.	-3506.	130.	1924.	-336.	.1293	.0683	-.0675	-.0887	.0157	.0213	2765.
.0250	-1742.	-751.	-490.	192.	-121.	-496.	.1382	.0652	-.0667	-.0797	.0901	.0201	770.
.0260	-6132.	-1556.	483.	397.	-1883.	-1027.	.1456	.0588	-.0648	-.0742	.1744	.0249	3081.
.0270	-6092.	-1889.	4155.	482.	-4298.	-1247.	.1444	.0527	-.0583	-.0637	.2618	.0188	6357.
.0280	-2785.	-1144.	9178.	292.	-6770.	-755.	.1355	.0489	-.0472	-.0431	.3287	-.0057	9630.
.0290	-5991.	-10.	8576.	3.	-7191.	-7.	.1266	.0452	-.0356	-.0182	.3462	-.0359	10157.
.0300	-4288.	304.	8316.	-78.	-6584.	201.	.1096	.0378	-.0226	-.0014	.3077	-.0537	9305.
.0310	3264.	-259.	9253.	66.	-5277.	-171.	.0841	.0269	-.0079	.0072	.2224	-.0578	7458.
.0320	2929.	-675.	4264.	172.	-2068.	-446.	.0589	.0160	.0063	.0193	.1049	-.0616	2998.
.0330	-207.	-73.	-2037.	19.	1292.	-48.	.0318	.0081	.0222	.0420	-.0140	-.0769	1827.
.0340	4005.	1021.	-2590.	-261.	2732.	674.	-.0021	.0017	.0416	.0653	-.1074	-.0972	3991.
.0350	7207.	1253.	-2560.	-320.	3529.	827.	-.0357	-.0073	.0598	.0729	-.1743	-.1044	5140.
.0360	2885.	256.	-6192.	-65.	4824.	169.	-.0627	-.0202	.0730	.0630	-.2196	-.0931	6818.
.0370	1849.	-809.	-6827.	206.	4979.	-534.	-.0884	-.0334	.0834	.0523	-.2364	-.0783	7079.

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	-6152.	-1556.	4453.	347.	-4625.	-1027.	.1456	.0587	-.0648	-.0742	.1744	.0249	3081.
.0270	-6092.	-1889.	4155.	482.	-4298.	-1247.	.1444	.0527	-.0583	-.0637	.2618	.0188	6357.
.0280	-2785.	-1144.	9178.	292.	-6770.	-755.	.1355	.0489	-.0472	-.0431	.3287	-.0057	9630.
.0290	-5991.	-10.	8576.	3.	-7191.	-7.	.1266	.0452	-.0356	-.0182	.3462	-.0359	10157.
.0300	-4288.	304.	8316.	-76.	-5594.	201.	.1096	.0378	-.0226	-.0014	.3077	-.0537	9305.
.0310	3264.	-259.	9253.	66.	-5277.	-171.	.0841	.0269	-.0079	.0072	.2224	-.0578	7458.
.0320	2929.	-675.	4264.	172.	-2260.	-446.	.0589	.0160	.0063	.0193	.1049	-.0616	2998.
.0330	-207.	-73.	-2037.	19.	1292.	-48.	.0318	.0081	.0222	.0420	-.0140	-.0769	1827.
.0340	4005.	1021.	-2590.	-261.	2732.	674.	-.0021	.0017	.0416	.0653	-.1074	-.0972	3991.
.0350	7207.	1253.	-2560.	-320.	3529.	827.	-.0357	-.0072	.0598	.0729	-.1743	-.1044	5140.
.0360	2885.	256.	-6192.	-65.	4824.	169.	-.0627	-.0202	.0730	.0630	-.2196	-.0931	6818.
.0370	1849.	-809.	-6827.	206.	4079.	-534.	-.0884	-.0334	.0834	.0523	-.2364	-.0783	7079.

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 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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	7426.	-637.	-2200.	162.	3347.	-420.	-.1151	-.0427	.0927	.0550	-.2186	-.0786	4770.
.0390	6156.	712.	-735.	-182.	2056.	470.	-.1350	-.0480	.0981	.0664	-.1774	-.0958	2990.
.0400	-3625.	1817.	-4786.	-463.	2235.	1199.	-.1446	-.0534	.0961	.0706	-.1430	-.1093	3642.
.0410	-2314.	1658.	-3121.	-423.	1470.	1095.	-.1552	-.0621	.0909	.0634	-.1188	-.1003	2657.
.0420	4089.	797.	1078.	-203.	332.	526.	-.1645	-.0721	.0835	.0556	-.1015	-.0737	925.
.0430	1309.	606.	-947.	-155.	959.	400.	-.1620	-.0782	.0717	.0552	-.0983	-.0536	1484.
.0440	-3015.	1573.	-3801.	-401.	1740.	1038.	-.1539	-.0784	.0599	.0587	-.0954	-.0523	2918.
.0450	-350.	2520.	-1646.	-643.	997.	1663.	-.1475	-.0764	.0520	.0564	-.0745	-.0508	2886.
.0460	2080.	2021.	1106.	-516.	-199.	1334.	-.1395	-.0774	.0468	.0402	-.0384	-.0247	2040.
.0470	-1203.	125.	864.	-32.	-877.	83.	-.1266	-.0819	.0429	.0103	-.0010	.0235	1246.
.0480	-3104.	-1878.	1554.	479.	-1818.	-1240.	-.1129	-.0866	.0418	-.0210	.0306	.0709	3181.
.0490	-828.	-2890.	4079.	737.	-2905.	-1908.	-.1005	-.0891	.0438	-.0382	.0483	.0998	5018.
.0500	-800.	-2783.	3860.	710.	-2753.	-1637.	-.0851	-.0901	.0456	-.0367	.0376	.1079	4781.
.0510	-1903.	-2261.	1345.	577.	-1373.	-1493.	-.0666	-.0925	.0459	-.0240	-.0084	.1046	2979.
.0520	97.	-2137.	-400.	545.	289.	-1411.	-.0477	-.0991	.0454	-.0060	-.0771	.1035	2175.
.0530	2080.	-2449.	-2237.	625.	2008.	-1617.	-.0274	-.1100	.0445	.0192	-.1455	.1068	3747.
.0540	1899.	-2388.	-4417.	609.	3401.	-1577.	-.0050	-.1220	.0439	.0536	-.1921	.0995	5364.
.0550	1952.	-1418.	-4874.	362.	3716.	-936.	.0182	-.1323	.0443	.0952	-.2044	.0702	5437.
.0560	1384.	-117.	-4165.	30.	3103.	-77.	.0421	-.1425	.0447	.1396	-.1812	.0307	4385.
.0570	-786.	573.	-3486.	-146.	2101.	379.	.0663	-.1551	.0435	.1811	-.1317	-.0004	3022.
.0580	-1361.	582.	-1695.	-148.	772.	384.	.0890	-.1696	.0400	.2148	-.0711	-.0224	1235.
.0590	-461.	699.	566.	-178.	-491.	461.	.1102	-.1826	.0338	.2425	-.0137	-.0490	985.
.0600	-1395.	1571.	1143.	-401.	-1110.	1037.	.1309	-.1912	.0253	.2718	.0348	-.0870	2220.
.0610	-3168.	3007.	632.	-767.	-1226.	1985.	.1496	-.1954	.0154	.3042	.0723	-.1288	3469.
.0620	-2150.	4198.	1199.	-1071.	-1340.	2771.	.1643	-.1972	.0051	.3296	.0971	-.1601	4604.
.0630	-828.	4462.	1511.	-1138.	-1209.	2946.	.1760	-.1980	-.0057	.3377	.1109	-.1701	4777.
.0640	-1917.	3889.	522.	-992.	-833.	2567.	.1846	-.1973	-.0160	.3275	.1250	-.1594	4062.
.0650	-2303.	3153.	660.	-804.	-1023.	2082.	.1873	-.1931	-.0236	.3045	.1494	-.1389	3468.
.0660	-942.	2636.	2366.	-672.	-1802.	1740.	.1841	-.1845	-.0284	.2725	.1798	-.1163	3664.
.0670	-1865.	2017.	2522.	-514.	-2141.	1331.	.1785	-.1735	-.0327	.2325	.2027	-.0881	3634.
.0680	-3875.	924.	1337.	-236.	-1871.	610.	.1704	-.1622	-.0375	.1849	.2104	-.0497	2800.
.0690	-2476.	-379.	1475.	97.	-1606.	-250.	.1577	-.1508	-.0418	.1329	.2024	-.0080	2299.
.0700	-644.	-1278.	1385.	326.	-1079.	-844.	.1429	-.1381	-.0462	.0835	.1803	.0251	1988.
.0710	-2055.	-1525.	-755.	389.	-26.	-1007.	.1283	-.1240	-.0508	.0444	.1518	.0459	1525.
.0720	-2424.	-1383.	-1900.	353.	636.	-913.	.1112	-.1100	-.0538	.0178	.1304	.0594	1648.
.0730	208.	-1232.	-506.	314.	387.	-814.	.0908	-.0974	-.0541	-.0006	.1236	.0707	1348.
.0740	636.	-1247.	447.	318.	-133.	-823.	.0703	-.0867	-.0525	-.0155	.1297	.0812	1261.
.0750	-1355.	-1347.	744.	344.	-037.	-889.	.0499	-.0777	-.0485	-.0281	.1459	.0890	1792.

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

.0650	-2303.	2153.	660.	-804.	-1023.	2082.	.1873	-.1931	-.0236	.3045	.1494	-.1389	3468.
.0660	-942.	2636.	2366.	-672.	-1302.	1740.	.1841	-.1845	-.0284	.2725	.1798	-.1163	3164.
.0670	-1865.	2017.	1522.	-514.	-2141.	1331.	.1785	-.1735	-.0327	.2325	.2027	-.0881	3634.
.0680	-3275.	924.	1377.	-236.	-1871.	610.	.1704	-.1622	-.0275	.1849	.2104	-.0497	2800.
.0690	-2476.	-379.	1475.	97.	-1606.	-250.	.1577	-.1508	-.0418	.1325	.2024	-.0080	2299.
.0700	-644.	-1278.	1385.	326.	-1070.	-844.	.1429	-.1381	-.0462	.0835	.1803	.0251	1988.
.0710	-2055.	-1525.	-755.	389.	-26.	-1007.	.1283	-.1240	-.0508	.0444	.1518	.0459	1525.
.0720	-2424.	-1283.	-1900.	353.	636.	-913.	.1112	-.1100	-.0539	.0178	.1304	.0594	1648.
.0730	208.	-1232.	-506.	314.	387.	-814.	.0908	-.0974	-.0541	-.0006	.1236	.0707	1348.
.0740	636.	-1247.	447.	318.	-133.	-823.	.0703	-.0867	-.0525	-.0155	.1297	.0812	1261.
.0750	-1355.	-1347.	744.	344.	-237.	-889.	.0499	-.0777	-.0485	-.0281	.1459	.0890	1792.

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 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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	-827.	-1331.	2843.	340.	-2091.	-879.	.0271	-.0695	-.0411	-.0359	.1652	.0912	3240.
.0770	933.	-1046.	5179.	267.	-3181.	-691.	.0034	-.0615	-.0316	-.0373	.1720	.0859	4613.
.0780	-156.	-516.	4646.	132.	-3107.	-340.	-.0179	-.0533	-.0219	-.0326	.1524	.0738	4419.
.0790	-1174.	106.	2890.	-27.	-2208.	70.	-.0381	-.0450	-.0115	-.0240	.1055	.0585	3120.
.0800	1413.	670.	2401.	-171.	-1225.	442.	-.0588	-.0366	.0006	-.0146	.0405	.0431	1855.
.0810	3584.	1072.	1280.	-273.	69.	708.	-.0772	-.0278	.0137	-.0068	-.0333	.0297	1076.
.0820	2723.	1223.	-1493.	-312.	1681.	807.	-.0908	-.0184	.0273	-.0018	-.1045	.0201	2670.
.0830	2690.	1067.	-3077.	-272.	2718.	705.	-.1017	-.0087	.0421	.0007	-.1589	.0157	3984.
.0840	4230.	618.	-2756.	-158.	2899.	408.	-.1100	.0012	.0576	-.0002	-.1897	.0163	4141.
.0850	3535.	-66.	-2975.	17.	2866.	-44.	-.1135	.0110	.0717	-.0067	-.2014	.0188	4048.
.0860	1528.	-912.	-3594.	233.	2763.	-602.	-.1126	.0201	.0827	-.0194	-.2009	.0203	4007.
.0870	1730.	-1785.	-2931.	455.	2377.	-1178.	-.1096	.0278	.0903	-.0340	-.1930	.0187	3802.
.0880	2528.	-2422.	-2211.	618.	2105.	-1599.	-.1038	.0343	.0934	-.0439	-.1833	.0109	3834.
.0890	1461.	-2547.	-2840.	650.	2248.	-1681.	-.0940	.0399	.0919	-.0453	-.1737	-.0073	4070.
.0900	512.	-2135.	-3264.	545.	2286.	-1410.	-.0821	.0445	.0872	-.0391	-.1594	-.0364	3870.
.0910	921.	-1477.	-2358.	377.	1792.	-975.	-.0700	.0473	.0808	-.0283	-.1338	-.0706	2930.
.0920	768.	-886.	-1124.	226.	938.	-585.	-.0577	.0476	.0734	-.0152	-.0961	-.1028	1594.
.0930	-364.	-400.	76.	102.	-143.	-264.	-.0457	.0459	.0657	-.0013	-.0505	-.1305	448.
.0940	-1245.	151.	1640.	-39.	-1400.	100.	-.0355	.0434	.0583	.0141	-.0051	-.1548	1984.
.0950	-2110.	840.	2877.	-214.	-2438.	555.	-.0275	.0410	.0508	.0290	.0285	-.1758	3544.
.0960	-2983.	1513.	3194.	-386.	-2870.	999.	-.0216	.0389	.0427	.0391	.0382	-.1914	4326.
.0970	-2677.	1931.	2990.	-493.	-2657.	1275.	-.0186	.0371	.0336	.0409	.0183	-.1977	4220.
.0980	-1628.	1981.	2104.	-506.	-1804.	1308.	-.0180	.0355	.0235	.0349	-.0283	-.1917	3228.
.0990	-1103.	1772.	213.	-452.	-422.	1170.	-.0190	.0346	.0125	.0242	-.0908	-.1748	1869.
.1000	-386.	1514.	-1683.	-386.	1013.	999.	-.0215	.0353	.0014	.0101	-.1549	-.1518	2083.
.1010	1248.	1312.	-2630.	-335.	2055.	866.	-.0247	.0380	-.0094	-.0075	-.2072	-.1267	3185.
.1020	2438.	1085.	-3090.	-277.	2662.	716.	-.0268	.0420	-.0202	-.0281	-.2385	-.0992	3913.
.1030	2528.	719.	-3348.	-183.	2855.	474.	-.0265	.0468	-.0311	-.0505	-.2450	-.0679	4096.
.1040	2773.	271.	-2788.	-69.	2548.	179.	-.0234	.0521	-.0422	-.0735	-.2278	-.0347	3610.
.1050	2916.	-47.	-1850.	12.	1965.	-31.	-.0168	.0585	-.0539	-.0953	-.1920	-.0043	2776.
.1060	1695.	-93.	-1528.	24.	1441.	-62.	-.0060	.0661	-.0665	-.1146	-.1432	.0209	2038.
.1070	612.	25.	-1015.	-6.	826.	16.	.0074	.0744	-.0794	-.1317	-.0845	.0426	1168.
.1080	-184.	-45.	-609.	11.	355.	-30.	.0221	.0821	-.0931	-.1486	-.0261	.0664	503.
.1090	-1885.	-536.	-1782.	137.	696.	-354.	.0424	.0882	-.1103	-.1642	.0148	.0959	1120.
.1100	1049.	-728.	592.	186.	-123.	-481.	.0579	.0953	-.1231	-.1722	.0734	.1195	748.
.1110	717.	-432.	2216.	110.	-1280.	-285.	.0732	.1041	-.1311	-.1733	.1503	.1321	1859.
.1120	-3749.	-292.	2120.	75.	-2356.	-193.	.0886	.1123	-.1348	-.1745	.2322	.1418	3341.
.1130	-5475.	-961.	3761.	245.	-3280.	-635.	.0996	.1172	-.1333	-.1784	.3086	.1596	5564.

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	2423.	719.	-3348.	-183.	2855.	474.	-.0265	.0468	-.0311	-.0505	-.2450	-.0679	4096.
.1030	2028.	719.	-3348.	-183.	2855.	474.	-.0265	.0468	-.0311	-.0505	-.2450	-.0679	4096.
.1040	2773.	271.	-2788.	-69.	2548.	179.	-.0234	.0521	-.0422	-.0735	-.2278	-.0347	3610.
.1050	2916.	-47.	-1850.	12.	1965.	-31.	-.0168	.0585	-.0539	-.0953	-.1920	-.0043	2776.
.1060	1695.	-93.	-1528.	24.	1441.	-62.	-.0060	.0661	-.0665	-.1146	-.1432	.0209	2038.
.1070	612.	25.	-1015.	-6.	826.	16.	.0074	.0744	-.0794	-.1317	-.0845	.0426	1168.
.1080	-184.	-45.	-609.	11.	355.	-30.	.0231	.0821	-.0931	-.1486	-.0261	.0664	503.
.1090	-1885.	-536.	-1783.	137.	696.	-354.	.0424	.0882	-.1103	-.1642	.0148	.0959	1120.
.1100	1049.	-728.	592.	186.	-123.	-481.	.0579	.0953	-.1231	-.1722	.0734	.1195	748.
.1110	717.	-432.	2216.	110.	-1280.	-285.	.0732	.1041	-.1311	-.1733	.1503	.1321	1859.
.1120	-3749.	-292.	2120.	75.	-2358.	-193.	.0886	.1122	-.1348	-.1745	.2322	.1418	3341.
.1130	-5475.	-961.	3761.	245.	-3886.	-635.	.0996	.1172	-.1333	-.1784	.3086	.1596	5564.

S/RV PIPING KEWAUNEE GKWOBF 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 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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	-4643.	-2158.	6176.	550.	-5262.	-1425.	.1060	.1192	-.1275	-.1804	.3534	.1811	7740.
.1150	-5191.	-2875.	6280.	733.	-5471.	-1898.	.1106	.1210	-.1198	-.1741	.3793	.1883	8244.
.1160	-4075.	-2565.	5182.	654.	-4665.	-1694.	.1115	.1243	-.1105	-.1569	.3517	.1724	7071.
.1170	-3812.	-1629.	3162.	416.	-3060.	-1075.	.1085	.1275	-.0997	-.1305	.2901	.1407	4619.
.1180	1251.	-792.	3137.	202.	-1752.	-523.	.0979	.1284	-.0856	-.1015	.2166	.1074	2598.
.1190	323.	-516.	-200.	132.	215.	-340.	.0874	.1261	-.0710	-.0787	.1411	.0793	598.
.1200	-2920.	-660.	-4125.	168.	1979.	-436.	.0767	.1214	-.0557	-.0638	.0768	.0537	2872.
.1210	2026.	-698.	-2462.	178.	2142.	-481.	.0600	.1164	-.0395	-.0502	.0297	.0244	3105.
.1220	2857.	8.	-2531.	-2.	2400.	5.	.0459	.1138	-.0258	-.0299	-.0008	-.0155	3390.
.1230	1587.	1375.	-3239.	-351.	2543.	907.	.0326	.1139	-.0147	-.0061	-.0167	-.0639	3846.
.1240	95.	2614.	-3545.	-667.	2365.	1726.	.0199	.1149	-.0066	.0122	-.0195	-.1065	4241.
.1250	-273.	3025.	-2704.	-772.	1715.	1997.	.0067	.1152	-.0011	.0192	-.0090	-.1292	3875.
.1260	2890.	2647.	490.	-675.	414.	1748.	-.0095	.1151	.0028	.0135	.0097	-.1322	2710.
.1270	-256.	2056.	-331.	-525.	153.	1358.	-.0207	.1170	.0024	-.0019	.0198	-.1260	2067.
.1280	-837.	1697.	-170.	-433.	-101.	1120.	-.0326	.1219	-.0002	-.0215	.0169	-.1181	1702.
.1290	629.	1626.	859.	-415.	-407.	1074.	-.0453	.1296	-.0036	-.0410	.0067	-.1080	1724.
.1300	-230.	1484.	420.	-379.	-336.	980.	-.0559	.1386	-.0073	-.0645	-.0066	-.0917	1558.
.1310	1548.	800.	1794.	-204.	-790.	528.	-.0689	.1466	-.0088	-.0991	-.0177	-.0651	1372.
.1320	156.	-510.	1586.	136.	-1007.	-337.	-.0801	.1525	-.0089	-.1423	-.0272	-.0280	1511.
.1330	367.	-1930.	2344.	492.	-1454.	-1274.	-.0930	.1570	-.0065	-.1832	-.0380	.0118	2818.
.1340	318.	-2690.	2542.	686.	-1597.	-1776.	-.1049	.1617	-.0028	-.2120	-.0575	.0403	3511.
.1350	-939.	-2585.	1287.	660.	-1087.	-1707.	-.1138	.1669	.0011	-.2271	-.0912	.0520	3006.
.1360	1614.	-2128.	1513.	543.	-587.	-1405.	-.1238	.1705	.0055	-.2325	-.1368	.0550	2284.
.1370	1338.	-1826.	-395.	466.	602.	-1206.	-.1305	.1707	.0089	-.2318	-.1877	.0586	2014.
.1380	2733.	-1740.	-1244.	444.	1519.	-1149.	-.1375	.1677	.0128	-.2271	-.2322	.0639	2762.
.1390	3042.	-1607.	-2117.	410.	2174.	-1061.	-.1422	.1627	.0171	-.2169	-.2593	.0667	3466.
.1400	1786.	-1287.	-3192.	328.	2435.	-850.	-.1436	.1565	.0223	-.1991	-.2599	.0657	3673.
.1410	3490.	-942.	-926.	240.	1502.	-622.	-.1461	.1489	.0295	-.1762	-.2340	.0634	2321.
.1420	2485.	-818.	-24.	209.	650.	-540.	-.1443	.1392	.0363	-.1530	-.1943	.0628	1229.
.1430	1252.	-1064.	626.	271.	-94.	-702.	-.1406	.1271	.0423	-.1314	-.1540	.0658	1072.
.1440	83.	-1429.	702.	365.	-442.	-944.	-.1350	.1131	.0469	-.1076	-.1212	.0693	1560.
.1450	-62.	-1320.	600.	352.	-412.	-911.	-.1275	.0992	.0501	-.0774	-.0992	.0645	1498.
.1460	2932.	-670.	1651.	171.	-342.	-442.	-.1202	.0867	.0528	-.0419	-.0383	.0467	826.
.1470	1011.	333.	-659.	-85.	693.	220.	-.1075	.0747	.0531	-.0063	-.0869	.0222	1034.
.1480	937.	1005.	-1764.	-256.	1402.	663.	-.0951	.0618	.0532	.0230	-.0838	.0026	2222.
.1490	2101.	1151.	-1638.	-294.	1617.	760.	-.0823	.0477	.0530	.0435	-.0718	-.0078	2558.
.1500	730.	1092.	-2423.	-279.	1786.	721.	-.0665	.0341	.0514	.0572	-.0499	-.0131	2749.
.1510	971.	1161.	-1732.	-256.	1391.	767.	-.0514	.0222	.0489	.0674	-.0180	-.0180	2282.

S/RV PIPING KEWAUNEE GKWOBF 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

.1410	3490.	-942.	-926.	240.	1502.	-622.	-.1461	.1489	.0295	-.1762	-.2340	.0634	2321.
.1420	2485.	-818.	-24.	209.	650.	-540.	-.1443	.1392	.0363	-.1530	-.1943	.0628	1229.
.1430	1252.	-1064.	626.	271.	-94.	-702.	-.1406	.1271	.0423	-.1314	-.1540	.0658	1072.
.1440	87.	-1429.	703.	365.	-443.	-944.	-.1350	.1131	.0469	-.1076	-.1212	.0693	1560.
.1450	-62.	-1360.	600.	352.	-412.	-911.	-.1275	.0992	.0501	-.0774	-.0992	.0645	1498.
.1460	2932.	-670.	1651.	171.	-242.	-442.	-.1202	.0867	.0528	-.0419	-.0823	.0467	826.
.1470	1011.	333.	-659.	-85.	693.	220.	-.1075	.0747	.0531	-.0063	-.0869	.0222	1034.
.1480	937.	1005.	-1764.	-256.	1403.	663.	-.0951	.0618	.0532	.0230	-.0838	.0026	2222.
.1490	2101.	1151.	-1638.	-294.	1617.	760.	-.0823	.0477	.0530	.0435	-.0718	-.0078	2558.
.1500	730.	1092.	-2423.	-279.	1786.	721.	-.0665	.0341	.0514	.0572	-.0499	-.0131	2749.
.1510	971.	1161.	-1732.	-296.	1391.	767.	-.0514	.0222	.0489	.0674	-.0180	-.0180	2282.

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 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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	-306.	1369.	-1730.	-349.	1064.	904.	-.0348	.0120	.0439	.0760	.0175	-.0211	2032.
.1530	846.	1489.	-417.	-380.	491.	983.	-.0199	.0030	.0365	.0816	.0501	-.0187	1643.
.1540	170.	1369.	-616.	-349.	450.	904.	-.0035	-.0055	.0253	.0830	.0724	-.0089	1509.
.1550	-1820.	1068.	-1923.	-273.	805.	705.	.0143	-.0132	.0110	.0816	.0875	.0067	1560.
.1560	1214.	791.	-184.	-202.	431.	522.	.0284	-.0195	-.0036	.0796	.1045	.0241	998.
.1570	289.	709.	-468.	-181.	383.	468.	.0445	-.0240	-.0193	.0784	.1250	.0399	892.
.1580	-1295.	720.	-588.	-184.	58.	475.	.0594	-.0272	-.0342	.0759	.1533	.0544	725.
.1590	91.	518.	1653.	-132.	-1068.	342.	.0698	-.0303	-.0464	.0694	.1915	.0717	1595.
.1600	-1267.	-9.	2551.	2.	-2007.	-6.	.0790	-.0341	-.0568	.0588	.2316	.0928	2835.
.1610	-4255.	-555.	2371.	142.	-2651.	-367.	.0871	-.0377	-.0651	.0465	.2544	.1116	3785.
.1620	-1716.	-799.	4878.	204.	-3658.	-528.	.0895	-.0404	-.0700	.0360	.2812	.1222	5229.
.1630	-2076.	-662.	4783.	169.	-3687.	-437.	.0916	-.0421	-.0734	.0301	.2747	.1233	5250.
.1640	-3238.	-302.	3362.	77.	-3046.	-200.	.0917	-.0433	-.0744	.0274	.2462	.1174	4313.
.1650	-793.	56.	3498.	-14.	-2511.	37.	.0868	-.0444	-.0720	.0252	.2020	.1083	3548.
.1660	-1163.	241.	1713.	-61.	-1428.	159.	.0815	-.0458	-.0676	.0231	.1487	.0998	2031.
.1670	-779.	255.	532.	-65.	-550.	169.	.0732	-.0474	-.0601	.0214	.0970	.0928	817.
.1680	-838.	305.	-460.	-78.	90.	201.	.0642	-.0487	-.0500	.0215	.0541	.0841	330.
.1690	1388.	415.	362.	-106.	122.	274.	.0531	-.0480	-.0377	.0229	.0208	.0737	449.
.1700	2493.	357.	694.	-91.	178.	236.	.0420	-.0460	-.0250	.0252	-.0076	.0663	437.
.1710	-1419.	43.	-1922.	-11.	907.	28.	.0349	-.0485	-.0137	.0284	-.0341	.0636	1281.
.1720	741.	-354.	-961.	90.	823.	-234.	.0246	-.0493	-.0021	.0325	-.0557	.0621	1216.
.1730	1859.	-596.	-697.	152.	935.	-393.	.0166	-.0498	.0078	.0392	-.0742	.0573	1448.
.1740	741.	-634.	-1755.	162.	1348.	-419.	.0107	-.0501	.0158	.0490	-.0882	.0485	2006.
.1750	1511.	-535.	-1453.	137.	1345.	-353.	.0039	-.0505	.0233	.0610	-.0924	.0361	1973.
.1760	556.	-373.	-1750.	95.	1297.	-246.	-.0010	-.0513	.0300	.0735	-.0849	.0211	1870.
.1770	1137.	-237.	-635.	60.	709.	-156.	-.0071	-.0525	.0371	.0847	-.0646	.0046	1029.
.1780	-655.	-100.	-505.	26.	166.	-66.	-.0114	-.0540	.0441	.0938	-.0349	-.0136	255.
.1790	-626.	97.	877.	-25.	-739.	64.	-.0173	-.0553	.0520	.1003	-.0014	-.0340	1048.
.1800	796.	340.	2819.	-87.	-1656.	224.	-.0252	-.0563	.0602	.1042	.0258	-.0551	2366.
.1810	-2374.	560.	1410.	-143.	-1537.	370.	-.0307	-.0573	.0670	.1063	.0373	-.0743	2241.
.1820	-1799.	706.	1516.	-180.	-1459.	466.	-.0395	-.0581	.0741	.1057	.0329	-.0897	2179.
.1830	-284.	763.	1523.	-195.	-1078.	504.	-.0490	-.0589	.0805	.1019	.0131	-.1007	1703.
.1840	309.	666.	562.	-170.	-272.	440.	-.0503	-.0597	.0860	.0945	-.0192	-.1061	769.
.1850	1020.	409.	-544.	-104.	619.	270.	-.0679	-.0608	.0907	.0848	-.0569	-.1055	965.
.1860	246.	106.	-2241.	-27.	1543.	70.	-.0761	-.0620	.0944	.0754	-.0917	-.1002	2181.
.1870	2109.	-173.	-1916.	44.	1903.	-114.	-.0853	-.0634	.0977	.0676	-.1166	-.0922	2553.
.1880	1718.	-418.	-2443.	107.	2051.	-276.	-.0916	-.0652	.0989	.0616	-.1307	-.0824	2927.
.1890	1335.	-614.	-2553.	157.	2026.	-406.	-.0961	-.0675	.0983	.0573	-.1344	-.0721	2927.

ADLPIPE PAGE 792 DIS/ADLPIPE ADLPIPE STRESS ANALYSIS 83/12/02. 18.26.43.
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

.1790	-626.	97.	877.	-25.	-739.	64.	-.0173	-.0553	.0520	.1003	-.0014	-.0340	1048.
.1800	796.	340.	2819.	-87.	-1656.	224.	-.0252	-.0563	.0602	.1042	.0258	-.0551	2366.
.1810	-2374.	160.	1410.	-143.	-1537.	370.	-.0307	-.0573	.0670	.1063	.0373	-.0743	2241.
.1820	-1799.	[illegible]	1516.	-100.	-1459.	466.	-.0395	-.0581	.0741	.1057	.0329	-.0897	2179.
.1830	-284.	763.	1023.	-105.	-1076.	504.	-.0490	-.0589	.0805	.1019	.0131	-.1007	1703.
.1840	389.	666.	562.	-170.	-272.	440.	-.0500	-.0597	.0860	.0945	-.0192	-.1061	769.
.1850	1020.	409.	-544.	-104.	619.	270.	-.0679	-.0608	.0907	.0848	-.0569	-.1055	965.
.1860	246.	106.	-2241.	-27.	1543.	70.	-.0761	-.0620	.0944	.0754	-.0917	-.1002	2181.
.1870	2109.	-173.	-1916.	44.	1803.	-114.	-.0853	-.0634	.0977	.0676	-.1166	-.0922	2553.
.1880	1718.	-418.	-2443.	107.	2051.	-276.	-.0916	-.0652	.0989	.0616	-.1307	-.0824	2927.
.1890	1335.	-614.	-2555.	157.	2026.	-406.	-.0961	-.0675	.0983	.0573	-.1344	-.0721	2927.

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 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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	2933.	-680.	-1271.	174.	1587.	-449.	-.0998	-.0704	.0958	.0560	-.1310	-.0627	2343.
.1910	1954.	-557.	-1569.	142.	1534.	-368.	-.0989	-.0734	.0899	.0591	-.1265	-.0550	2238.
.1920	1768.	-252.	-1533.	64.	1463.	-166.	-.0955	-.0764	.0817	.0654	-.1214	-.0496	2082.
.1930	2270.	199.	-1151.	-51.	1339.	132.	-.0892	-.0792	.0715	.0727	-.1146	-.0465	1901.
.1940	2062.	676.	-1123.	-173.	1268.	447.	-.0794	-.0816	.0598	.0786	-.1045	-.0436	1914.
.1950	1639.	988.	-1005.	-252.	1082.	652.	-.0667	-.0839	.0475	.0806	-.0882	-.0375	1820.
.1960	1727.	1006.	-295.	-257.	635.	664.	-.0521	-.0863	.0355	.0772	-.0545	-.0265	1347.
.1970	1452.	781.	422.	-199.	92.	516.	-.0354	-.0883	.0241	.0690	-.0353	-.0117	792.
.1980	519.	467.	834.	-119.	-418.	309.	-.0171	-.0896	.0133	.0581	-.0039	.0041	753.
.1990	-33.	140.	1404.	-36.	-935.	92.	.0018	-.0903	.0038	.0460	.0260	.0192	1328.
.2000	-181.	-244.	1943.	62.	-1329.	-161.	.0208	-.0909	-.0048	.0337	.0498	.0337	1893.
.2010	-705.	-717.	1818.	183.	-1380.	-473.	.0398	-.0919	-.0128	.0226	.0541	.0477	2077.
.2020	-1090.	-1206.	1338.	308.	-1161.	-796.	.0580	-.0938	-.0202	.0145	.0593	.0597	2036.
.2030	-777.	-1547.	1024.	395.	-874.	-1021.	.0745	-.0963	-.0265	.0120	.0693	.0667	1979.
.2040	-669.	-1611.	591.	411.	-561.	-1064.	.0895	-.0992	-.0315	.0162	.0685	.0661	1795.
.2050	-1067.	-1432.	74.	365.	-321.	-946.	.1028	-.1029	-.0353	.0266	.0711	.0581	1502.
.2060	-1127.	-1172.	92.	299.	-348.	-774.	.1138	-.1076	-.0375	.0414	.0794	.0453	1270.
.2070	-887.	-926.	584.	236.	-612.	-611.	.1224	-.1136	-.0382	.0591	.0928	.0293	1266.
.2080	-1264.	-601.	857.	153.	-688.	-396.	.1292	-.1200	-.0380	.0798	.1077	.0094	1391.
.2090	-1952.	-50.	916.	13.	-1102.	-33.	.1339	-.1258	-.0370	.1036	.1204	-.0161	1558.
.2100	-1976.	714.	1180.	-182.	-1283.	471.	.1360	-.1306	-.0353	.1291	.1279	-.0459	1948.
.2110	-1715.	1502.	1297.	-383.	-1294.	992.	.1359	-.1341	-.0332	.1532	.1275	-.0755	2365.
.2120	-1651.	2115.	968.	-540.	-1060.	1396.	.1339	-.1364	-.0310	.1726	.1186	-.1005	2591.
.2130	-1431.	2474.	554.	-631.	-731.	1633.	.1299	-.1372	-.0283	.1851	.1037	-.1186	2680.
.2140	-1057.	2616.	254.	-667.	-437.	1727.	.1238	-.1359	-.0249	.1902	.0868	-.1293	2687.
.2150	-952.	2598.	-58.	-663.	-204.	1715.	.1163	-.1322	-.0209	.1878	.0706	-.1332	2613.
.2160	-982.	2406.	-285.	-614.	-62.	1588.	.1073	-.1263	-.0164	.1776	.0565	-.1299	2407.
.2170	-758.	1985.	-241.	-507.	-34.	1311.	.0969	-.1186	-.0117	.1599	.0444	-.1189	1985.
.2180	-545.	1358.	-165.	-347.	-30.	897.	.0854	-.1097	-.0071	.1363	.0334	-.1009	1359.
.2190	-521.	669.	-237.	-171.	24.	442.	.0732	-.0996	-.0029	.1096	.0223	-.0789	669.
.2200	-322.	82.	-269.	-21.	95.	54.	.0603	-.0885	.0009	.0825	.0112	-.0568	158.
.2210	-16.	-334.	-281.	85.	181.	-220.	.0470	-.0767	.0042	.0573	.0005	-.0366	421.
.2220	0.	-618.	-449.	158.	297.	-408.	.0336	-.0648	.0072	.0350	-.0085	-.0184	747.
.2230	-66.	-839.	-558.	214.	352.	-554.	.0200	-.0536	.0100	.0158	-.0146	-.0016	975.
.2240	35.	-1033.	-378.	264.	258.	-632.	.0061	-.0433	.0129	-.0003	-.0166	.0137	1096.
.2250	1.	-1179.	-79.	301.	52.	-779.	-.0081	-.0340	.0161	-.0132	-.0145	.0266	1181.
.2260	-206.	-1231.	249.	314.	-217.	-813.	-.0224	-.0258	.0196	-.0222	-.0103	.0360	1269.
.2270	-213.	-1126.	705.	303.	-526.	-783.	-.0369	-.0185	.0235	-.0274	-.0070	.0415	1395.

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

.2160	-982.	2406.	-295.	-614.	-62.	1588.	.1073	-.1263	-.0164	.1776	.0565	-.1299	2407.
.2170	-758.	1985.	-241.	-507.	-34.	1311.	.0969	-.1186	-.0117	.1599	.0444	-.1189	1985.
.2180	-545.	1358.	-165.	-347.	-30.	897.	.0854	-.1097	-.0071	.1363	.0334	-.1009	1359.
.2190	-521.	669.	-237.	-171.	24.	442.	.0732	-.0996	-.0029	.1096	.0223	-.0789	669.
.2200	-322.	62.	-269.	-21.	95.	54.	.0603	-.0885	.0009	.0825	.0112	-.0568	158.
.2210	-16.	-374.	-281.	85.	181.	-220.	.0470	-.0767	.0042	.0573	.0005	-.0366	421.
.2220	0.	-618.	-449.	158.	297.	-408.	.0336	-.0648	.0072	.0350	-.0085	-.0184	747.
.2230	-66.	-839.	-558.	214.	352.	-554.	.0200	-.0536	.0100	.0158	-.0146	-.0016	975.
.2240	35.	-1033.	-378.	264.	258.	-682.	.0061	-.0433	.0129	-.0003	-.0166	.0137	1096.
.2250	1.	-1179.	-79.	301.	52.	-779.	-.0081	-.0340	.0161	-.0132	-.0145	.0266	1181.
.2260	-203.	-1231.	249.	314.	-217.	-813.	-.0224	-.0258	.0196	-.0222	-.0103	.0360	1269.
.2270	-213.	-1186.	705.	303.	-520.	-783.	-.0369	-.0185	.0235	-.0274	-.0070	.0415	1395.

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 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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	-84.	-1097.	1089.	280.	-741.	-724.	-.0514	-.0124	.0277	-.0294	-.0083	.0439	1516.
.2290	-56.	-1005.	1125.	256.	-757.	-663.	-.0654	-.0075	.0320	-.0292	-.0171	.0434	1467.
.2300	167.	-879.	932.	224.	-573.	-580.	-.0788	-.0035	.0363	-.0271	-.0342	.0393	1194.
.2310	732.	-660.	638.	168.	-234.	-436.	-.0912	.0001	.0406	-.0232	-.0583	.0310	738.
.2320	1212.	-338.	96.	86.	246.	-223.	-.1021	.0035	.0449	-.0177	-.0867	.0187	485.
.2330	1513.	32.	-605.	-8.	786.	21.	-.1110	.0069	.0488	-.0117	-.1157	.0041	1110.
.2340	1960.	363.	-1134.	-93.	1249.	240.	-.1176	.0104	.0525	-.0068	-.1416	-.0111	1801.
.2350	2384.	589.	-1501.	-150.	1599.	389.	-.1215	.0139	.0553	-.0045	-.1618	-.0252	2335.
.2360	2433.	704.	-1882.	-180.	1863.	465.	-.1221	.0178	.0569	-.0052	-.1750	-.0373	2724.
.2370	2338.	748.	-2149.	-191.	2015.	494.	-.1195	.0223	.0569	-.0083	-.1805	-.0474	2943.
.2380	2337.	752.	-2199.	-192.	2048.	496.	-.1137	.0274	.0550	-.0131	-.1784	-.0553	2989.
.2390	2166.	703.	-2217.	-179.	2016.	464.	-.1048	.0331	.0509	-.0194	-.1690	-.0606	2933.
.2400	1775.	582.	-2212.	-148.	1913.	384.	-.0930	.0393	.0445	-.0273	-.1523	-.0628	2765.
.2410	1460.	396.	-1953.	-101.	1662.	262.	-.0791	.0457	.0363	-.0359	-.1279	-.0618	2381.
.2420	1118.	181.	-1454.	-46.	1246.	120.	-.0635	.0523	.0267	-.0443	-.0960	-.0582	1769.
.2430	493.	-25.	-879.	6.	706.	-17.	-.0468	.0590	.0161	-.0515	-.0581	-.0527	997.
.2440	-174.	-197.	-162.	50.	62.	-130.	-.0296	.0655	.0051	-.0571	-.0169	-.0459	216.
.2450	-694.	-327.	674.	84.	-622.	-216.	-.0129	.0718	-.0059	-.0614	.0238	-.0385	937.
.2460	-1248.	-415.	1359.	106.	-1216.	-274.	.0030	.0776	-.0167	-.0645	.0596	-.0306	1766.
.2470	-1857.	-450.	1749.	115.	-1629.	-297.	.0175	.0829	-.0270	-.0666	.0865	-.0227	2344.
.2480	-2116.	-418.	1990.	107.	-1854.	-276.	.0299	.0877	-.0364	-.0679	.1025	-.0154	2652.
.2490	-1980.	-314.	2054.	80.	-1861.	-208.	.0400	.0923	-.0449	-.0687	.1065	-.0091	2647.
.2500	-1859.	-143.	1735.	36.	-1620.	-94.	.0478	.0966	-.0523	-.0694	.0996	-.0040	2293.
.2510	-1720.	77.	1183.	-20.	-1220.	51.	.0534	.1009	-.0586	-.0705	.0847	.0002	1724.
.2520	-1342.	296.	681.	-76.	-792.	196.	.0567	.1054	-.0636	-.0728	.0656	.0043	1157.
.2530	-919.	455.	237.	-116.	-391.	300.	.0582	.1099	-.0675	-.0768	.0462	.0094	715.
.2540	-662.	525.	-183.	-134.	-48.	347.	.0583	.1147	-.0706	-.0828	.0291	.0160	530.
.2550	-452.	527.	-449.	-134.	181.	348.	.0571	.1199	-.0730	-.0905	.0166	.0239	585.
.2560	-258.	475.	-529.	-121.	283.	314.	.0550	.1256	-.0749	-.0988	.0092	.0331	621.
.2570	-230.	353.	-544.	-90.	301.	233.	.0523	.1315	-.0767	-.1106	.0070	.0435	552.
.2580	-258.	139.	-483.	-35.	253.	92.	.0492	.1376	-.0784	-.1231	.0093	.0552	384.
.2590	-183.	-148.	-291.	38.	146.	-98.	.0456	.1435	-.0801	-.1366	.0154	.0675	253.
.2600	-106.	-442.	-76.	113.	3.	-292.	.0417	.1493	-.0817	-.1497	.0247	.0789	442.
.2610	-357.	-668.	130.	170.	-177.	-441.	.0375	.1550	-.0827	-.1611	.0367	.0878	713.
.2620	-506.	-790.	440.	202.	-420.	-522.	.0326	.1604	-.0831	-.1703	.0509	.0930	988.
.2630	-620.	-838.	822.	214.	-701.	-553.	.0269	.1653	-.0825	-.1772	.0657	.0948	1296.
.2640	-821.	-850.	1142.	217.	-963.	-561.	.0204	.1694	-.0808	-.1817	.0790	.0937	1604.
.2650	-975.	-818.	1405.	209.	-1177.	-540.	.0128	.1729	-.0780	-.1836	.0886	.0898	1852.

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

.2550	-452.	527.	-449.	-134.	181.	348.	.0571	.1199	-.0730	-.0905	.0166	.0239	585.
.2560	-258.	475.	-529.	-121.	283.	314.	.0550	.1256	-.0749	-.0998	.0092	.0331	621.
.2570	-230.	353.	-544.	-90.	301.	233.	.0523	.1315	-.0767	-.1106	.0070	.0435	552.
.2580	-258.	179.	-483.	-35.	253.	92.	.0492	.1376	-.0784	-.1231	.0093	.0552	384.
.2590	-183.	-148.	-291.	38.	146.	-98.	.0456	.1435	-.0801	-.1366	.0154	.0675	253.
.2600	-186.	-442.	-76.	113.	3.	-292.	.0417	.1493	-.0817	-.1497	.0247	.0789	442.
.2610	-357.	-668.	130.	170.	-177.	-441.	.0375	.1550	-.0827	-.1611	.0367	.0878	713.
.2620	-506.	-790.	440.	202.	-420.	-522.	.0326	.1604	-.0831	-.1703	.0509	.0930	982.
.2630	-620.	-838.	822.	214.	-701.	-553.	.0269	.1653	-.0825	-.1772	.0657	.0948	1296.
.2640	-821.	-850.	1142.	217.	-963.	-561.	.0204	.1694	-.0808	-.1817	.0790	.0937	1604.
.2650	-975.	-818.	1405.	209.	-1177.	-540.	.0128	.1729	-.0780	-.1836	.0886	.0898	1852.

S/RV PIPING KEWAUNEE GKW02F 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 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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	-935.	-700.	1613.	179.	-1303.	-462.	.0042	.1759	-.0740	-.1831	.0923	.0826	1970.
.2670	-837.	-494.	1608.	126.	-1276.	-326.	-.0052	.1786	-.0689	-.1808	.0886	.0722	1868.
.2680	-701.	-257.	1357.	65.	-1075.	-169.	-.0153	.1809	-.0630	-.1776	.0770	.0600	1539.
.2690	-388.	-61.	987.	15.	-751.	-40.	-.0259	.1827	-.0562	-.1747	.0586	.0479	1062.
.2700	-5.	52.	543.	-13.	-360.	34.	-.0367	.1841	-.0488	-.1727	.0360	.0370	511.
.2710	258.	86.	48.	-22.	34.	57.	-.0474	.1852	-.0408	-.1715	.0122	.0279	98.
.2720	475.	65.	-337.	-16.	344.	43.	-.0577	.1860	-.0323	-.1710	-.0096	.0206	490.
.2730	715.	-3.	-512.	1.	521.	-2.	-.0676	.1865	-.0236	-.1707	-.0278	.0152	735.
.2740	773.	-122.	-618.	31.	605.	-81.	-.0765	.1867	-.0151	-.1705	-.0424	.0120	864.
.2750	710.	-269.	-684.	69.	632.	-177.	-.0845	.1863	-.0070	-.1697	-.0541	.0105	933.
.2760	745.	-381.	-654.	97.	622.	-252.	-.0913	.1856	.0003	-.1675	-.0643	.0099	958.
.2770	799.	-420.	-643.	107.	628.	-277.	-.0970	.1845	.0066	-.1637	-.0740	.0095	981.
.2780	766.	-403.	-739.	103.	684.	-266.	-.1013	.1828	.0118	-.1586	-.0838	.0093	1048.
.2790	792.	-378.	-835.	96.	754.	-249.	-.1043	.1805	.0158	-.1526	-.0934	.0103	1129.
.2800	921.	-371.	-857.	95.	801.	-245.	-.1061	.1773	.0188	-.1463	-.1017	.0126	1190.
.2810	970.	-389.	-871.	99.	822.	-257.	-.1066	.1734	.0208	-.1400	-.1079	.0163	1225.
.2820	942.	-430.	-855.	110.	805.	-284.	-.1058	.1686	.0219	-.1339	-.1114	.0210	1215.
.2830	975.	-485.	-740.	124.	737.	-320.	-.1036	.1631	.0222	-.1281	-.1125	.0262	1149.
.2840	995.	-530.	-614.	135.	659.	-350.	-.1000	.1569	.0216	-.1223	-.1117	.0312	1071.
.2850	902.	-546.	-591.	139.	620.	-361.	-.0950	.1500	.0202	-.1160	-.1099	.0356	1032.
.2860	815.	-539.	-625.	138.	620.	-356.	-.0885	.1424	.0178	-.1095	-.1073	.0394	1029.
.2870	808.	-519.	-657.	132.	640.	-342.	-.0809	.1342	.0147	-.1029	-.1034	.0424	1042.
.2880	755.	-486.	-706.	124.	659.	-321.	-.0722	.1253	.0109	-.0963	-.0970	.0447	1050.
.2890	610.	-442.	-724.	113.	633.	-292.	-.0626	.1157	.0067	-.0896	-.0868	.0464	998.
.2900	460.	-405.	-599.	103.	513.	-268.	-.0525	.1056	.0023	-.0828	-.0717	.0479	830.
.2910	283.	-396.	-333.	101.	292.	-261.	-.0421	.0948	-.0020	-.0762	-.0518	.0494	572.
.2920	24.	-413.	7.	105.	2.	-273.	-.0316	.0833	-.0061	-.0696	-.0283	.0507	413.
.2930	-241.	-434.	391.	111.	-320.	-287.	-.0212	.0714	-.0098	-.0623	-.0032	.0517	626.
.2940	-445.	-429.	759.	110.	-615.	-284.	-.0112	.0590	-.0130	-.0539	.0210	.0518	969.
.2950	-619.	-384.	998.	98.	-817.	-254.	-.0016	.0463	-.0157	-.0438	.0418	.0508	1216.
.2960	-736.	-299.	1067.	76.	-892.	-198.	.0073	.0334	-.0178	-.0320	.0577	.0488	1295.
.2970	-732.	-190.	1004.	48.	-850.	-125.	.0154	.0202	-.0193	-.0187	.0683	.0463	1215.
.2980	-652.	-76.	832.	19.	-716.	-50.	.0227	.0069	-.0201	-.0043	.0742	.0435	1014.
.2990	-559.	32.	586.	-8.	-529.	21.	.0292	-.0064	-.0203	.0107	.0768	.0409	748.
.3000	-448.	139.	340.	-35.	-339.	92.	.0350	-.0196	-.0198	.0260	.0777	.0383	499.
.3010	-336.	251.	141.	-64.	-179.	165.	.0401	-.0326	-.0188	.0413	.0781	.0358	356.
.3020	-272.	361.	-16.	-92.	-59.	238.	.0445	-.0452	-.0175	.0564	.0787	.0336	371.
.3030	-240.	460.	-120.	-117.	18.	304.	.0485	-.0573	-.0161	.0709	.0798	.0318	460.

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	24.	-413.	7.	105.	2.	-273.	-.0316	.0833	-.0061	-.0696	-.0283	.0507	413.
.2930	-241.	-434.	391.	111.	-320.	-287.	-.0212	.0714	-.0098	-.0623	-.0032	.0517	626.
.2940	-445.	-429.	759.	110.	-615.	-284.	-.0112	.0590	-.0130	-.0539	.0210	.0518	969.
.2950	-619.	-384.	998.	98.	-817.	-254.	-.0016	.0463	-.0157	-.0438	.0418	.0508	1216.
.2960	-736.	-299.	1067.	76.	-892.	-198.	.0073	.0334	-.0178	-.0320	.0577	.0488	1295.
.2970	-732.	-190.	1004.	48.	-850.	-125.	.0154	.0202	-.0193	-.0187	.0683	.0463	1215.
.2980	-652.	-76.	832.	19.	-716.	-50.	.0227	.0069	-.0201	-.0043	.0742	.0435	1014.
.2990	-559.	32.	586.	-6.	-529.	21.	.0292	-.0064	-.0203	.0107	.0768	.0409	748.
.3000	-448.	139.	340.	-35.	-339.	92.	.0350	-.0196	-.0198	.0260	.0777	.0383	499.
.3010	-336.	251.	141.	-64.	-179.	165.	.0401	-.0326	-.0188	.0413	.0781	.0358	356.
.3020	-272.	361.	-16.	-92.	-59.	238.	.0445	-.0452	-.0175	.0564	.0787	.0336	371.
.3030	-240.	460.	-120.	-117.	18.	304.	.0485	-.0573	-.0161	.0709	.0798	.0318	460.

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 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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	-206.	552.	-163.	-141.	55.	365.	.0521	-.0687	-.0146	.0847	.0315	.0306	558.
.3050	-207.	657.	-176.	-168.	63.	434.	.0553	-.0793	-.0133	.0978	.0837	.0297	663.
.3060	-256.	775.	-165.	-198.	43.	511.	.0581	-.0890	-.0121	.1100	.0865	.0291	777.
.3070	-318.	878.	-93.	-224.	-20.	580.	.0603	-.0976	-.0110	.1207	.0902	.0292	878.
.3080	-404.	933.	49.	-238.	-135.	616.	.0620	-.1051	-.0096	.1292	.0948	.0305	952.
.3090	-550.	921.	241.	-235.	-300.	608.	.0630	-.1117	-.0080	.1351	.1001	.0330	1013.
.3100	-723.	835.	485.	-213.	-505.	551.	.0630	-.1174	-.0059	.1380	.1054	.0368	1098.
.3110	-877.	676.	759.	-173.	-725.	446.	.0620	-.1221	-.0031	.1381	.1094	.0414	1227.
.3120	-1025.	452.	988.	-115.	-914.	298.	.0598	-.1262	.0004	.1358	.1103	.0466	1368.
.3130	-1138.	181.	1115.	-46.	-1027.	120.	.0563	-.1298	.0045	.1316	.1064	.0515	1461.
.3140	-1129.	-103.	1136.	26.	-1038.	-68.	.0515	-.1330	.0094	.1266	.0968	.0553	1470.
.3150	-1009.	-364.	1020.	93.	-931.	-240.	.0455	-.1361	.0147	.1215	.0810	.0568	1364.
.3160	-815.	-562.	760.	143.	-710.	-371.	.0383	-.1392	.0206	.1176	.0598	.0553	1150.
.3170	-545.	-671.	413.	171.	-412.	-443.	.0302	-.1424	.0268	.1155	.0347	.0501	888.
.3180	-216.	-683.	39.	174.	-81.	-451.	.0215	-.1458	.0333	.1156	.0078	.0409	692.
.3190	118.	-599.	-316.	153.	238.	-396.	.0125	-.1494	.0398	.1179	-.0187	.0281	687.
.3200	394.	-433.	-627.	110.	514.	-286.	.0036	-.1532	.0462	.1221	-.0429	.0121	846.
.3210	631.	-202.	-845.	51.	719.	-133.	-.0048	-.1571	.0522	.1280	-.0634	-.0062	1035.
.3220	831.	67.	-961.	-17.	846.	45.	-.0126	-.1609	.0577	.1350	-.0794	-.0257	1197.
.3230	953.	347.	-1012.	-89.	912.	229.	-.0193	-.1645	.0624	.1424	-.0910	-.0454	1334.
.3240	1015.	617.	-1011.	-157.	927.	407.	-.0247	-.1677	.0663	.1494	-.0983	-.0640	1447.
.3250	1066.	856.	-940.	-218.	893.	565.	-.0289	-.1703	.0693	.1557	-.1016	-.0807	1524.
.3260	1062.	1038.	-839.	-265.	825.	685.	-.0316	-.1721	.0713	.1604	-.1014	-.0945	1560.
.3270	985.	1135.	-729.	-290.	733.	749.	-.0328	-.1730	.0726	.1629	-.0981	-.1046	1536.
.3280	895.	1139.	-579.	-291.	611.	752.	-.0328	-.1730	.0732	.1630	-.0922	-.1106	1429.
.3290	764.	1058.	-404.	-270.	467.	698.	-.0315	-.1721	.0732	.1604	-.0843	-.1127	1246.
.3300	609.	904.	-252.	-231.	322.	597.	-.0290	-.1704	.0728	.1554	-.0754	-.1112	1012.
.3310	435.	686.	-123.	-175.	192.	453.	-.0257	-.1680	.0720	.1482	-.0667	-.1064	738.
.3320	324.	418.	-24.	-107.	98.	276.	-.0216	-.1651	.0707	.1393	-.0592	-.0990	441.
.3330	243.	134.	-11.	-34.	69.	88.	-.0169	-.1620	.0689	.1294	-.0538	-.0899	166.
.3340	178.	-122.	-108.	31.	117.	-80.	-.0117	-.1586	.0665	.1196	-.0511	-.0803	205.
.3350	182.	-313.	-266.	80.	222.	-207.	-.0060	-.1553	.0636	.1108	-.0505	-.0712	443.
.3360	233.	-428.	-457.	109.	361.	-283.	-.0000	-.1521	.0599	.1035	-.0511	-.0631	666.
.3370	259.	-470.	-669.	120.	507.	-310.	.0063	-.1492	.0555	.0980	-.0516	-.0564	857.
.3380	269.	-443.	-835.	113.	620.	-292.	.0129	-.1466	.0504	.0946	-.0505	-.0512	981.
.3390	280.	-348.	-895.	89.	663.	-230.	.0197	-.1442	.0445	.0930	-.0467	-.0475	998.
.3400	246.	-192.	-848.	49.	623.	-127.	.0266	-.1419	.0380	.0929	-.0395	-.0453	900.
.3410	153.	1.	-708.	-0.	506.	1.	.0335	-.1396	.0308	.0937	-.0290	-.0442	715.

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	268.	784.	-237.	-231.	122.	597.	-.0249	-.1704	.0728	.1554	-.0754	-.1112	1012.
.3310	435.	686.	-123.	-175.	192.	453.	-.0257	-.1580	.0720	.1422	-.0667	-.1064	738.
.3320	324.	418.	-24.	-107.	98.	276.	-.0216	-.1651	.0707	.1393	-.0592	-.0990	441.
.3330	243.	134.	-11.	-34.	69.	88.	-.0169	-.1620	.0689	.1294	-.0538	-.0899	166.
.3340	178.	-122.	-108.	31.	117.	-50.	-.0117	-.1586	.0665	.1196	-.0511	-.0803	205.
.3350	182.	-313.	-266.	00.	222.	-207.	-.0060	-.1553	.0636	.1108	-.0505	-.0712	443.
.3360	233.	-428.	-457.	109.	361.	-283.	-.0000	-.1521	.0599	.1035	-.0511	-.0631	666.
.3370	259.	-470.	-669.	120.	507.	-310.	.0063	-.1492	.0555	.0980	-.0516	-.0564	857.
.3380	269.	-443.	-835.	113.	620.	-292.	.0129	-.1466	.0504	.0946	-.0505	-.0512	981.
.3390	280.	-348.	-895.	89.	663.	-230.	.0197	-.1442	.0445	.0930	-.0467	-.0475	998.
.3400	246.	-192.	-848.	49.	623.	-127.	.0266	-.1419	.0380	.0929	-.0395	-.0453	900.
.3410	153.	1.	-708.	-0.	506.	1.	.0335	-.1396	.0308	.0937	-.0290	-.0442	715.

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 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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	56.	196.	-474.	-50.	327.	130.	.0405	-.1372	.0231	.0946	-.0159	-.0434	502.
.3430	-31.	363.	-184.	-93.	114.	240.	.0474	-.1346	.0151	.0947	-.0014	-.0426	397.
.3440	-137.	487.	102.	-124.	-102.	322.	.0542	-.1316	.0068	.0934	.0134	-.0413	508.
.3450	-247.	566.	360.	-144.	-301.	374.	.0608	-.1281	-.0013	.0903	.0275	-.0396	707.
.3460	-335.	595.	584.	-152.	-471.	393.	.0670	-.1239	-.0092	.0851	.0402	-.0374	892.
.3470	-419.	564.	751.	-144.	-602.	373.	.0728	-.1192	-.0164	.0777	.0508	-.0348	1021.
.3480	-507.	472.	853.	-120.	-692.	312.	.0781	-.1138	-.0229	.0683	.0592	-.0317	1086.
.3490	-575.	334.	906.	-85.	-745.	220.	.0827	-.1079	-.0284	.0573	.0652	-.0285	1104.
.3500	-624.	176.	912.	-45.	-761.	116.	.0865	-.1016	-.0330	.0455	.0588	-.0258	1089.
.3510	-665.	23.	860.	-6.	-738.	15.	.0895	-.0949	-.0366	.0335	.0599	-.0241	1042.
.3520	-676.	-113.	765.	29.	-677.	-74.	.0916	-.0879	-.0393	.0220	.0687	-.0235	963.
.3530	-649.	-220.	642.	56.	-589.	-145.	.0927	-.0809	-.0412	.0118	.0657	-.0241	861.
.3540	-616.	-285.	498.	73.	-486.	-188.	.0929	-.0738	-.0423	.0034	.0613	-.0261	743.
.3550	-591.	-298.	361.	76.	-389.	-197.	.0922	-.0668	-.0427	-.0029	.0566	-.0294	625.
.3560	-564.	-258.	274.	66.	-325.	-171.	.0905	-.0599	-.0424	-.0070	.0524	-.0338	527.
.3570	-556.	-176.	248.	45.	-306.	-116.	.0878	-.0531	-.0414	-.0088	.0492	-.0390	466.
.3580	-590.	-62.	279.	16.	-335.	-41.	.0841	-.0463	-.0398	-.0089	.0472	-.0444	477.
.3590	-641.	71.	368.	-18.	-406.	47.	.0795	-.0395	-.0376	-.0076	.0460	-.0498	578.
.3600	-688.	210.	492.	-54.	-500.	138.	.0738	-.0326	-.0347	-.0056	.0450	-.0546	737.
.3610	-734.	339.	604.	-86.	-586.	224.	.0671	-.0255	-.0312	-.0036	.0431	-.0584	894.
.3620	-758.	441.	670.	-113.	-636.	291.	.0594	-.0182	-.0272	-.0024	.0392	-.0609	1000.
.3630	-727.	503.	677.	-128.	-632.	332.	.0508	-.0105	-.0226	-.0025	.0326	-.0617	1025.
.3640	-651.	517.	606.	-132.	-566.	341.	.0413	-.0025	-.0177	-.0044	.0230	-.0607	952.
.3650	-546.	475.	455.	-121.	-440.	313.	.0310	.0058	-.0123	-.0083	.0107	-.0576	782.
.3660	-393.	374.	253.	-95.	-267.	247.	.0201	.0143	-.0068	-.0142	-.0040	-.0526	531.
.3670	-190.	218.	26.	-56.	-66.	144.	.0087	.0229	-.0012	-.0219	-.0201	-.0458	237.
.3680	23.	21.	-221.	-5.	152.	14.	-.0028	.0314	.0042	-.0310	-.0367	-.0376	216.
.3690	231.	-194.	-473.	49.	371.	-128.	-.0143	.0398	.0093	-.0407	-.0531	-.0285	559.
.3700	444.	-398.	-697.	101.	573.	-263.	-.0254	.0478	.0138	-.0503	-.0680	-.0194	902.
.3710	645.	-570.	-882.	145.	747.	-376.	-.0359	.0553	.0175	-.0593	-.0808	-.0108	1199.
.3720	802.	-698.	-1023.	178.	880.	-461.	-.0456	.0622	.0204	-.0671	-.0904	-.0031	1425.
.3730	917.	-775.	-1094.	198.	956.	-511.	-.0543	.0684	.0223	-.0734	-.0962	.0034	1557.
.3740	992.	-794.	-1073.	202.	962.	-524.	-.0618	.0737	.0233	-.0779	-.0977	.0083	1573.
.3750	1005.	-751.	-965.	192.	894.	-496.	-.0681	.0782	.0235	-.0806	-.0947	.0117	1469.
.3760	957.	-657.	-781.	168.	760.	-434.	-.0731	.0820	.0229	-.0816	-.0876	.0136	1258.
.3770	878.	-532.	-533.	136.	576.	-352.	-.0768	.0851	.0218	-.0813	-.0773	.0146	973.
.3780	784.	-396.	-262.	101.	373.	-262.	-.0794	.0875	.0201	-.0801	-.0651	.0151	659.
.3790	675.	-254.	-17.	65.	183.	-168.	-.0807	.0894	.0181	-.0783	-.0525	.0152	363.

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	231.	-194.	-473.	49.	371.	-128.	-.0143	.0398	.0093	-.0407	-.0531	-.0285	559.
.3690	444.	-398.	-697.	101.	573.	-263.	-.0254	.0478	.0138	-.0503	-.0680	-.0194	902.
.3700	645.	-570.	-882.	145.	747.	-376.	-.0359	.0553	.0175	-.0593	-.0808	-.0108	1199.
.3710	802.	-698.	-1023.	178.	880.	-461.	-.0456	.0622	.0204	-.0671	-.0904	-.0031	1425.
.3720	917.	-775.	-1094.	198.	956.	-511.	-.0543	.0684	.0223	-.0734	-.0962	.0034	1557.
.3730	992.	-794.	-1073.	202.	962.	-524.	-.0618	.0737	.0233	-.0779	-.0977	.0083	1573.
.3740	1005.	-751.	-965.	192.	894.	-496.	-.0681	.0782	.0235	-.0806	-.0947	.0117	1469.
.3750	957.	-657.	-781.	168.	760.	-434.	-.0731	.0820	.0229	-.0816	-.0876	.0136	1258.
.3760	878.	-532.	-533.	136.	576.	-352.	-.0768	.0851	.0218	-.0813	-.0773	.0146	973.
.3770	784.	-396.	-262.	101.	373.	-262.	-.0794	.0875	.0201	-.0801	-.0651	.0151	659.
.3780	675.	-254.	-17.	65.	183.	-168.	-.0807	.0894	.0181	-.0783	-.0525	.0152	363.

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 17 MEMBER 1 SEQUENCE 852 LOCATION BEG TYPE EL

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	575.	-107.	169.	27.	35.	-71.	-.0810	.0909	.0160	-.0763	-.0406	.0152	118.
.3810	509.	31.	281.	-8.	-56.	20.	-.0802	.0923	.0137	-.0744	-.0304	.0156	85.
.3820	474.	138.	306.	-35.	-81.	91.	-.0785	.0935	.0114	-.0730	-.0225	.0168	179.
.3830	460.	192.	248.	-49.	-47.	127.	-.0759	.0946	.0091	-.0725	-.0168	.0195	203.
.3840	466.	190.	138.	-49.	28.	126.	-.0725	.0956	.0069	-.0730	-.0129	.0238	194.
.3850	479.	142.	4.	-36.	119.	94.	-.0683	.0966	.0046	-.0743	-.0101	.0297	220.
.3860	474.	62.	-135.	-16.	210.	41.	-.0634	.0975	.0024	-.0760	-.0076	.0368	303.
.3870	451.	-41.	-260.	10.	287.	-27.	-.0578	.0984	-.0001	-.0779	-.0049	.0449	407.
.3880	414.	-154.	-327.	39.	341.	-102.	-.0516	.0990	-.0028	-.0795	-.0018	.0536	506.
.3890	358.	-257.	-421.	66.	369.	-170.	-.0448	.0994	-.0059	-.0805	.0022	.0625	582.
.3900	281.	-326.	-449.	83.	368.	-215.	-.0376	.0996	-.0094	-.0804	.0072	.0709	613.
.3910	186.	-352.	-430.	90.	331.	-232.	-.0301	.0996	-.0134	-.0789	.0135	.0785	586.
.3920	75.	-347.	-359.	88.	256.	-229.	-.0225	.0992	-.0176	-.0762	.0211	.0854	501.
.3930	-58.	-322.	-236.	82.	141.	-212.	-.0149	.0985	-.0221	-.0724	.0302	.0915	378.
.3940	-210.	-276.	-60.	70.	-14.	-182.	-.0076	.0976	-.0267	-.0680	.0404	.0966	277.
.3950	-375.	-204.	158.	52.	-200.	-135.	-.0007	.0964	-.0311	-.0630	.0514	.1005	348.
.3960	-544.	-114.	390.	29.	-396.	-75.	.0055	.0952	-.0352	-.0578	.0623	.1034	571.
.3970	-695.	-29.	606.	7.	-577.	-19.	.0110	.0938	-.0388	-.0528	.0721	.1055	816.
.3980	-808.	34.	775.	-9.	-717.	22.	.0155	.0925	-.0419	-.0486	.0797	.1071	1014.
.3990	-879.	73.	872.	-19.	-800.	48.	.0189	.0911	-.0443	-.0451	.0845	.1083	1132.
.4000	-912.	94.	888.	-24.	-819.	62.	.0212	.0899	-.0458	-.0425	.0863	.1090	1161.

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)
.0290	5991.	10.	-8576.	-3.	7191.	7.	.1266	.0452	-.0356	-.0182	.3462	-.0359	10157.

SECTION 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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.	1.	4.	-0.	-2.	1.	-.0000	-.0000	-.0000	-.0000	-.0001	.0000	3.
.0020	-11.	8.	24.	-1.	-11.	3.	-.0000	-.0000	-.0001	-.0001	-.0009	.0002	16.
.0030	-52.	12.	56.	-1.	-29.	5.	-.0001	-.0000	-.0004	.0000	-.0024	.0003	41.

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

.0290	5991.	10.	-8576.	-3.	7191.	7.	.1266	.0452	-.0356	-.0182	.3462	-.0359	10157.

SECTION 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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.	1.	4.	-0.	-2.	1.	-.0000	-.0000	-.0000	-.0000	-.0001	.0000	3.
.0020	-11.	8.	24.	-1.	-11.	3.	-.0000	-.0000	-.0001	-.0001	-.0009	.0002	16.
.0030	-52.	12.	56.	-1.	-29.	5.	-.0001	-.0000	-.0004	.0000	-.0024	.0003	41.

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

CONDITION 24
LOADS
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ENGLISH UNITS

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

SECTION 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	-115.	-3.	95.	0.	-52.	-1.	-.0003	.0000	-.0010	.0004	-.0044	-.0002	73.
.0050	-185.	-44.	134.	5.	-76.	-18.	-.0004	.0002	-.0018	.0013	-.0064	-.0013	110.
.0060	-300.	-100.	137.	12.	-90.	-40.	-.0006	.0004	-.0031	.0022	-.0079	-.0028	141.
.0070	-445.	-148.	137.	18.	-108.	-59.	-.0009	.0009	-.0048	.0029	-.0096	-.0042	176.
.0080	-580.	-181.	231.	22.	-162.	-73.	-.0010	.0016	-.0075	.0032	-.0140	-.0051	252.
.0090	-821.	-251.	379.	30.	-250.	-101.	-.0008	.0027	-.0111	.0036	-.0216	-.0069	383.
.0100	-1144.	-413.	559.	49.	-360.	-166.	.0001	.0045	-.0158	.0048	-.0313	-.0111	565.
.0110	-1360.	-648.	806.	77.	-485.	-260.	.0021	.0072	-.0216	.0059	-.0408	-.0170	785.
.0120	-1461.	-866.	1008.	103.	-578.	-347.	.0055	.0109	-.0283	.0048	-.0465	-.0221	963.
.0130	-1565.	-976.	960.	116.	-571.	-392.	.0102	.0156	-.0358	-.0001	-.0439	-.0240	992.
.0140	-1676.	-973.	531.	116.	-412.	-390.	.0162	.0214	-.0434	-.0093	-.0292	-.0224	818.
.0150	-1758.	-886.	-297.	105.	-90.	-356.	.0233	.0283	-.0502	-.0228	-.0020	-.0180	539.
.0160	-1997.	-700.	-1515.	83.	371.	-281.	.0313	.0362	-.0553	-.0404	.0341	-.0108	667.
.0170	-1975.	-331.	-2576.	39.	799.	-133.	.0403	.0445	-.0581	-.0623	.0585	.0014	1145.
.0180	-969.	276.	-2655.	-33.	950.	111.	.0504	.0524	-.0584	-.0873	.0871	.0199	1352.
.0190	906.	1047.	-1429.	-124.	681.	420.	.0616	.0592	-.0569	-.1121	.0790	.0426	1144.
.0200	3757.	1814.	1595.	-216.	-193.	728.	.0742	.0645	-.0557	-.1314	.0317	.0647	1107.
.0210	6350.	2207.	5499.	-262.	-1451.	886.	.0887	.0683	-.0564	-.1383	-.0443	.0763	2430.
.0220	5799.	1866.	7156.	-222.	-2182.	749.	.1031	.0711	-.0588	-.1286	-.0943	.0675	3274.
.0230	3951.	1064.	6529.	-127.	-2150.	427.	.1169	.0728	-.0625	-.1090	-.0895	.0447	3101.
.0240	1531.	509.	3506.	-61.	-1225.	204.	.1293	.0723	-.0670	-.0914	-.0186	.0267	1756.
.0250	1742.	751.	490.	-89.	10.	301.	.1409	.0689	-.0716	-.0836	.0912	.0280	444.
.0260	6132.	1556.	-483.	-185.	923.	624.	.1513	.0630	-.0755	-.0824	.2034	.0413	1595.
.0270	6092.	1889.	-4155.	-225.	2391.	758.	.1533	.0565	-.0753	-.0737	.3326	.0387	3557.
.0280	2785.	1144.	-9178.	-136.	4013.	459.	.1469	.0504	-.0696	-.0491	.4444	.0064	5709.
.0290	5991.	10.	-8576.	-1.	4153.	4.	.1388	.0438	-.0592	-.0183	.4673	-.0358	5866.
.0300	4288.	-304.	-8316.	36.	3846.	-122.	.1204	.0348	-.0437	.0002	.4193	-.0570	5436.
.0310	-3264.	259.	-9253.	-31.	3325.	104.	.0919	.0237	-.0236	.0058	.3159	-.0551	4699.
.0320	-2929.	675.	-4264.	-80.	1363.	271.	.0624	.0124	-.0008	.0157	.1426	-.0544	1966.
.0330	207.	73.	2037.	-9.	-793.	29.	.0310	.0027	.0239	.0416	-.0365	-.0761	1121.
.0340	-4005.	-1021.	2590.	121.	-1515.	-410.	-.0061	-.0059	.0492	.0707	-.1524	-.1079	2224.
.0350	-7207.	-1253.	2560.	149.	-1884.	-503.	-.0419	-.0156	.0716	.0795	-.2311	-.1177	2762.
.0360	-2885.	-256.	6192.	30.	-2827.	-103.	-.0705	-.0271	.0882	.0644	-.3015	-.0958	3996.
.0370	-1849.	809.	6827.	-96.	-2959.	325.	-.0967	-.0387	.0996	.0480	-.3216	-.0697	4207.
.0380	-7426.	637.	2200.	-76.	-1765.	255.	-.1226	-.0482	.1067	.0516	-.2722	-.0719	2522.
.0390	-6156.	-712.	735.	85.	-1027.	-286.	-.1409	-.0554	.1090	.0701	-.2093	-.1033	1510.
.0400	3625.	-1817.	4786.	216.	-1490.	-729.	-.1492	-.0623	.1055	.0802	-.1340	-.1285	2362.
.0410	2314.	-1658.	3121.	197.	-977.	-665.	-.1590	-.0702	.0984	.0721	-.1457	-.1178	1693.

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

.0300	4288.	-304.	-8316.	36.	3846.	-122.	.1204	.0348	-.0437	.0002	.4193	-.0570	5436.
.0310	-3264.	259.	-9253.	-31.	3325.	104.	.0919	.0237	-.0236	.0058	.3159	-.0551	4699.
.0320	-2929.	675.	-4264.	-80.	1363.	271.	.0624	.0124	-.0008	.0157	.1426	-.0544	1966.
.0330	207.	73.	2037.	-9.	-793.	29.	.0310	.0027	.0239	.0416	-.0365	-.0761	1121.
.0340	-4005.	-1021.	2590.	121.	-1515.	-410.	-.0061	-.0059	.0492	.0707	-.1524	-.1079	2224.
.0350	-7207.	-1253.	2560.	149.	-1884.	-503.	-.0419	-.0156	.0716	.0795	-.2311	-.1177	2762.
.0360	-2885.	-256.	6192.	30.	-2827.	-103.	-.0705	-.0271	.0082	.0644	-.3015	-.0958	3996.
.0370	-1849.	809.	6827.	-96.	-2959.	325.	-.0967	-.0387	.0996	.0480	-.3216	-.0697	4207.
.0380	-7426.	637.	2200.	-76.	-1765.	255.	-.1226	-.0482	.1067	.0516	-.2722	-.0719	2522.
.0390	-6156.	-712.	735.	85.	-1027.	-286.	-.1409	-.0554	.1090	.0701	-.2093	-.1033	1510.
.0400	3625.	-1817.	4786.	216.	-1490.	-729.	-.1492	-.0623	.1055	.0802	-.1840	-.1285	2362.
.0410	2314.	-1658.	3121.	197.	-977.	-665.	-.1590	-.0702	.0984	.0721	-.1457	-.1178	1693.

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 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	-4089.	-797.	-1078.	95.	-54.	-320.	-.1676	-.0781	.0891	.0598	-.1048	-.0821	477.
.0430	-1309.	-606.	947.	72.	-535.	-243.	-.1651	-.0830	.0777	.0584	-.1141	-.0600	837.
.0440	3015.	-1573.	3801.	187.	-1167.	-631.	-.1570	-.0837	.0663	.0670	-.1274	-.0639	1892.
.0450	350.	-2520.	1646.	299.	-619.	-1011.	-.1499	-.0820	.0567	.0697	-.0920	-.0773	1727.
.0460	-2080.	-2021.	-1106.	240.	196.	-811.	-.1406	-.0810	.0488	.0508	-.0337	-.0460	1226.
.0470	1203.	-125.	-864.	15.	490.	-50.	-.1263	-.0810	.0424	.0110	.0135	.0222	696.
.0480	3104.	1878.	-1554.	-223.	992.	753.	-.1114	-.0812	.0390	-.0309	.0502	.0907	1788.
.0490	828.	2890.	-4079.	-343.	1735.	1159.	-.0982	-.0811	.0392	-.0535	.0982	.1303	2987.
.0500	800.	2783.	-3860.	-331.	1644.	1116.	-.0832	-.0818	.0417	-.0514	.0848	.1372	2845.
.0510	1903.	2261.	-1345.	-269.	766.	907.	-.0664	-.0850	.0454	-.0359	.0143	.1284	1719.
.0520	-97.	2137.	400.	-254.	-172.	858.	-.0500	-.0923	.0498	-.0173	-.0821	.1261	1287.
.0530	-2080.	2449.	2237.	-291.	-1145.	983.	-.0322	-.1035	.0537	.0062	-.1790	.1327	2171.
.0540	-1899.	2388.	4417.	-284.	-1998.	958.	-.0115	-.1169	.0566	.0410	-.2499	.1246	3155.
.0550	-1952.	1418.	4874.	-169.	-2188.	569.	.0113	-.1305	.0579	.0877	-.2676	.0852	3202.
.0560	-1384.	117.	4165.	-14.	-1836.	47.	.0360	-.1447	.0566	.1390	-.2342	.0320	2594.
.0570	786.	-573.	3486.	68.	-1305.	-230.	.0619	-.1606	.0521	.1841	-.1686	-.0064	1874.
.0580	1361.	-582.	1695.	69.	-518.	-233.	.0868	-.1772	.0444	.2178	-.0353	-.0285	809.
.0590	461.	-699.	-566.	83.	282.	-280.	.1100	-.1925	.0342	.2461	-.0054	-.0563	574.
.0600	1395.	-1571.	-1143.	187.	624.	-630.	.1322	-.2045	.0227	.2801	.0532	-.1036	1281.
.0610	3168.	-3007.	-632.	357.	630.	-1207.	.1521	-.2126	.0107	.3200	.0916	-.1605	1988.
.0620	2150.	-4198.	-1199.	499.	737.	-1684.	.1676	-.2174	-.0011	.3517	.1190	-.2044	2690.
.0630	828.	-4462.	-1511.	530.	705.	-1790.	.1795	-.2191	-.0126	.3612	.1314	-.2171	2819.
.0640	1917.	-3889.	-522.	462.	437.	-1560.	.1884	-.2173	-.0234	.3480	.1383	-.2004	2380.
.0650	2303.	-3153.	-660.	375.	538.	-1265.	.1919	-.2110	-.0323	.3211	.1658	-.1721	2013.
.0660	942.	-2636.	-2366.	313.	1061.	-1058.	.1898	-.2000	-.0393	.2865	.2105	-.1441	2162.
.0670	765.	-2017.	-2522.	240.	1233.	-809.	.1850	-.1859	-.0452	.2431	.2387	-.1093	2111.
.0680	3875.	-924.	-1337.	110.	997.	-371.	.1771	-.1706	-.0501	.1897	.2405	-.0594	1510.
.0690	2476.	379.	-1475.	-45.	886.	152.	.1641	-.1549	-.0539	.1309	.2288	-.0040	1272.
.0700	644.	1278.	-1385.	-152.	632.	513.	.1484	-.1385	-.0567	.0768	.1986	.0386	1169.
.0710	2055.	1525.	755.	-181.	-59.	612.	.1327	-.1220	-.0590	.0364	.1510	.0620	905.
.0720	2424.	1383.	1900.	-164.	-474.	555.	.1148	-.1066	-.0604	.0105	.1179	.0739	1057.
.0730	-208.	1232.	506.	-146.	-228.	494.	.0942	-.0929	-.0605	-.0071	.1170	.0837	796.
.0740	-636.	1247.	-447.	-148.	104.	500.	.0740	-.0812	-.0596	-.0221	.1324	.0944	751.
.0750	1355.	1347.	-744.	-160.	459.	541.	.0543	-.0714	-.0570	-.0352	.1596	.1032	1027.
.0760	827.	1331.	-2848.	-158.	1241.	534.	.0324	-.0628	-.0515	-.0430	.2010	.1053	1921.
.0770	-933.	1046.	-5179.	-124.	1967.	428.	.0092	-.0552	-.0431	-.0428	.2278	.0969	2846.
.0780	156.	516.	-4646.	-61.	1882.	207.	-.0127	-.0481	-.0322	-.0353	.2062	.0793	2676.
.0790	1174.	-106.	-2890.	13.	1299.	-43.	-.0344	-.0412	-.0187	-.0235	.1431	.0574	1836.

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

.0690	2476.	379.	-1475.	-45.	886.	152.	.1641	-.1549	-.0539	.1309	.2288	-.0040	1272.
.0700	644.	1278.	-1385.	-152.	632.	513.	.1484	-.1385	-.0567	.0768	.1986	.0386	1169.
.0710	2055.	1525.	755.	-181.	-59.	612.	.1327	-.1230	-.0590	.0364	.1510	.0620	905.
.0720	2424.	1383.	1900.	-164.	-474.	555.	.1148	-.1066	-.0604	.0105	.1179	.0779	1057.
.0730	-208.	1232.	506.	-146.	-228.	494.	.0942	-.0929	-.0605	-.0071	.1170	.0837	796.
.0740	-636.	1247.	-447.	-148.	104.	500.	.0740	-.0812	-.0596	-.0221	.1324	.0944	751.
.0750	1355.	1347.	-744.	-160.	459.	541.	.0543	-.0714	-.0570	-.0352	.1596	.1032	1027.
.0760	827.	1331.	-2848.	-158.	1241.	534.	.0324	-.0628	-.0515	-.0430	.2010	.1053	1921.
.0770	-933.	1046.	-5179.	-124.	1967.	420.	.0092	-.0552	-.0431	-.0428	.2278	.0969	2846.
.0780	156.	516.	-4646.	-61.	1882.	207.	-.0127	-.0481	-.0322	-.0353	.2062	.0793	2676.
.0790	1174.	-106.	-2890.	13.	1299.	-43.	-.0344	-.0412	-.0187	-.0235	.1431	.0574	1836.

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 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	-1413.	-670.	-2401.	80.	795.	-269.	-.0574	-.0342	-.0024	-.0110	.0526	.0361	1191.
.0810	-3584.	-1072.	-1280.	127.	88.	-430.	-.0783	-.0265	.0155	-.0011	-.0323	.0184	645.
.0820	-2723.	-1223.	1493.	145.	-923.	-491.	-.0944	-.0179	.0340	.0047	-.1320	.0072	1490.
.0830	-2690.	-1067.	3077.	127.	-1554.	-428.	-.1071	-.0084	.0525	.0063	-.2044	.0045	2284.
.0840	-4230.	-618.	2756.	73.	-1609.	-248.	-.1164	.0018	.0698	.0031	-.2374	.0097	2301.
.0850	-3535.	66.	2975.	-8.	-1614.	26.	-.1202	.0123	.0845	-.0070	-.2490	.0195	2280.
.0860	-1528.	912.	3594.	-108.	-1624.	366.	-.1192	.0222	.0955	-.0242	-.2478	.0299	2356.
.0870	-1730.	1785.	2931.	-212.	-1382.	716.	-.1158	.0308	.1023	-.0435	-.2332	.0376	2218.
.0880	-2528.	2422.	2211.	-288.	-1188.	972.	-.1097	.0374	.1048	-.0567	-.2182	.0365	2205.
.0890	-1461.	2547.	2840.	-303.	-1313.	1022.	-.0997	.0421	.1028	-.0588	-.2118	.0196	2389.
.0900	-512.	2135.	3264.	-254.	-1371.	857.	-.0874	.0448	.0973	-.0504	-.1987	-.0139	2311.
.0910	-921.	1477.	2358.	-176.	-1056.	593.	-.0744	.0451	.0887	-.0361	-.1643	-.0550	1728.
.0920	-768.	886.	1124.	-105.	-542.	355.	-.0607	.0429	.0793	-.0200	-.1119	-.0935	928.
.0930	364.	400.	-76.	-48.	74.	160.	-.0471	.0391	.0684	-.0034	-.0483	-.1263	258.
.0940	1245.	-151.	-1640.	18.	806.	-61.	-.0352	.0345	.0576	.0149	.0184	-.1563	1142.
.0950	2110.	-840.	-2877.	100.	1405.	-337.	-.0259	.0302	.0477	.0334	.0695	-.1847	2046.
.0960	2983.	-1513.	-3194.	180.	1636.	-607.	-.0196	.0267	.0387	.0471	.0862	-.2073	2478.
.0970	2677.	-1931.	-2990.	229.	1518.	-775.	-.0172	.0242	.0308	.0511	.0627	-.2180	2429.
.0980	1628.	-1981.	-2104.	236.	1038.	-795.	-.0182	.0230	.0238	.0454	.0020	-.2126	1876.
.0990	1103.	-1772.	-213.	211.	216.	-711.	-.0215	.0235	.0172	.0335	-.0841	-.1935	1091.
.1000	386.	-1514.	1683.	180.	-630.	-607.	-.0262	.0260	.0105	.0181	-.1727	-.1678	1261.
.1010	-1248.	-1312.	2630.	156.	-1204.	-526.	-.0312	.0306	.0032	-.0006	-.2421	-.1406	1869.
.1020	-2438.	-1085.	3090.	129.	-1530.	-435.	-.0345	.0369	-.0055	-.0224	-.2832	-.1107	2254.
.1030	-2528.	-719.	3348.	85.	-1644.	-288.	-.0344	.0442	-.0159	-.0467	-.2930	-.0755	2360.
.1040	-2773.	-271.	2788.	32.	-1448.	-109.	-.0307	.0522	-.0281	-.0721	-.2703	-.0376	2052.
.1050	-2916.	47.	1850.	-6.	-1089.	19.	-.0229	.0610	-.0422	-.0955	-.2243	-.0038	1538.
.1060	-1695.	93.	1528.	-11.	-814.	37.	-.0105	.0705	-.0578	-.1150	-.1672	.0219	1152.
.1070	-612.	-25.	1015.	3.	-480.	-10.	.0047	.0805	-.0742	-.1316	-.0985	.0423	678.
.1080	184.	45.	609.	-5.	-222.	18.	.0222	.0899	-.0914	-.1488	-.0323	.0668	315.
.1090	1885.	536.	1783.	-64.	-491.	215.	.0427	.0984	-.1106	-.1670	.0016	.1015	763.
.1100	-1049.	728.	-592.	-87.	113.	292.	.0600	.1071	-.1271	-.1760	.0762	.1272	459.
.1110	-717.	432.	-2216.	-51.	804.	173.	.0779	.1164	-.1401	-.1756	.1729	.1366	1164.
.1120	3749.	292.	-2120.	-35.	1296.	117.	.0961	.1251	-.1490	-.1761	.2708	.1449	1839.
.1130	5475.	961.	-3761.	-114.	2160.	386.	.1097	.1315	-.1526	-.1835	.3726	.1697	3103.
.1140	4643.	2158.	-6176.	-256.	3030.	866.	.1181	.1353	-.1507	-.1918	.4519	.2040	4466.
.1150	5191.	2875.	-6280.	-342.	3137.	1153.	.1232	.1377	-.1440	-.1893	.4710	.2191	4745.
.1160	4875.	2565.	-5182.	-305.	2659.	1029.	.1230	.1395	-.1326	-.1705	.4296	.1995	4050.
.1170	3812.	1629.	-3162.	-194.	1722.	654.	.1178	.1397	-.1175	-.1390	.3408	.1579	2616.

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

.1060	-1653.	-95.	1224.	11.	-294.	37.	.0105	.0705	-.0578	-.1150	-.1572	.0219	1152.
.1070	-612.	-25.	1015.	3.	-480.	-10.	.0047	.0805	-.0742	-.1316	-.0985	.0423	678.
.1080	184.	45.	609.	-5.	-222.	18.	.0222	.0899	-.0914	-.1488	-.0323	.0668	315.
.1090	1885.	536.	1783.	-64.	-491.	215.	.0427	.0984	-.1106	-.1670	.0016	.1015	763.
.1100	-1049.	728.	-592.	-87.	113.	292.	.0600	.1071	-.1271	-.1760	.0762	.1272	459.
.1110	-717.	432.	-2216.	-51.	804.	173.	.0779	.1164	-.1401	-.1756	.1729	.1366	1164.
.1120	3749.	292.	-2120.	-35.	1296.	117.	.0961	.1251	-.1490	-.1761	.2708	.1449	1839.
.1130	5475.	961.	-3761.	-114.	2160.	386.	.1097	.1315	-.1526	-.1835	.3726	.1697	3103.
.1140	4643.	2158.	-6176.	-256.	3030.	866.	.1181	.1353	-.1507	-.1918	.4519	.2040	4466.
.1150	5191.	2875.	-6280.	-342.	3137.	1153.	.1232	.1377	-.1440	-.1893	.4710	.2191	4745.
.1160	4875.	2565.	-5182.	-305.	2659.	1029.	.1230	.1395	-.1326	-.1705	.4296	.1995	4050.
.1170	3812.	1629.	-3162.	-194.	1722.	654.	.1178	.1397	-.1175	-.1390	.3408	.1579	2616.

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 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	-1251.	792.	-3137.	-94.	1110.	318.	.1046	.1376	-.0986	-.1057	.2478	.1157	1636.
.1190	-323.	516.	200.	-61.	-119.	207.	.0913	.1329	-.0785	-.0814	.1375	.0847	348.
.1200	2920.	660.	4125.	-78.	-1308.	265.	.0784	.1265	-.0585	-.0673	.0407	.0606	1889.
.1210	-2026.	698.	2462.	-83.	-1229.	280.	.0602	.1196	-.0397	-.0539	-.0063	.0318	1784.
.1220	-2857.	-8.	2531.	1.	-1355.	-3.	.0450	.1138	-.0241	-.0298	-.0406	-.0156	1914.
.1230	-1587.	-1375.	3239.	163.	-1488.	-552.	.0314	.1099	-.0121	.0012	-.0598	-.0784	2254.
.1240	-95.	-2614.	3545.	311.	-1434.	-1049.	.0186	.1075	-.0039	.0260	-.0505	-.1341	2547.
.1250	273.	-3025.	2704.	360.	-1052.	-1214.	.0060	.1060	.0006	.0351	-.0389	-.1611	2325.
.1260	-2890.	-2647.	-490.	315.	-147.	-1062.	-.0094	.1062	.0025	.0274	.0042	-.1601	1578.
.1270	256.	-2056.	331.	244.	-102.	-825.	-.0202	.1091	.0014	.0089	.0170	-.1477	1224.
.1280	837.	-1697.	170.	202.	31.	-681.	-.0321	.1152	-.0012	-.0125	.0181	-.1360	1004.
.1290	-629.	-1626.	-859.	193.	270.	-652.	-.0450	.1241	-.0042	-.0324	.0141	-.1252	1034.
.1300	230.	-1484.	-420.	176.	196.	-595.	-.0560	.1347	-.0071	-.0567	-.0009	-.1073	920.
.1310	-1548.	-800.	-1794.	95.	536.	-321.	-.0692	.1455	-.0084	-.0949	-.0030	-.0736	892.
.1320	-156.	510.	-1586.	-61.	618.	205.	-.0806	.1553	-.0081	-.1450	-.0096	-.0226	923.
.1330	-367.	1930.	-2344.	-229.	897.	774.	-.0937	.1638	-.0055	-.1934	-.0126	.0321	1705.
.1340	-318.	2690.	-2542.	-320.	982.	1079.	-.1060	.1714	-.0007	-.2262	-.0296	.0687	2110.
.1350	939.	2585.	-1283.	-307.	626.	1037.	-.1160	.1776	.0053	-.2408	-.0729	.0793	1766.
.1360	-1614.	2128.	-1513.	-253.	415.	854.	-.1275	.1812	.0125	-.2437	-.1257	.0774	1388.
.1370	-1338.	1826.	395.	-217.	-317.	733.	-.1361	.1814	.0195	-.2414	-.1973	.0779	1169.
.1380	-2733.	1740.	1244.	-207.	-824.	698.	-.1447	.1785	.0264	-.2363	-.2569	.0823	1553.
.1390	-3042.	1607.	2117.	-191.	-1211.	645.	-.1503	.1733	.0326	-.2254	-.2952	.0837	1957.
.1400	-1286.	1287.	3192.	-153.	-1433.	517.	-.1518	.1664	.0380	-.2059	-.3013	.0793	2163.
.1410	-3490.	942.	926.	-112.	-786.	378.	-.1533	.1578	.0432	-.1812	-.2579	.0733	1243.
.1420	-2485.	818.	24.	-97.	-305.	328.	-.1501	.1474	.0473	-.1573	-.2041	.0714	647.
.1430	-1252.	1064.	-626.	-126.	102.	427.	-.1450	.1349	.0506	-.1370	-.1516	.0771	645.
.1440	-83.	1429.	-703.	-170.	272.	573.	-.1384	.1207	.0532	-.1152	-.1135	.0843	928.
.1450	62.	1380.	-600.	-164.	248.	554.	-.1303	.1057	.0552	-.0847	-.0921	.0790	888.
.1460	-2932.	670.	-1651.	-80.	314.	269.	-.1226	.0908	.0573	-.0454	-.0806	.0538	594.
.1470	-1011.	-333.	659.	40.	-385.	-134.	-.1103	.0759	.0582	-.0046	-.0983	.0187	578.
.1480	-937.	-1005.	1764.	119.	-819.	-403.	-.0980	.0608	.0586	.0283	-.1075	-.0080	1300.
.1490	-2101.	-1151.	1638.	137.	-907.	-462.	-.0849	.0455	.0580	.0496	-.0986	-.0199	1450.
.1500	-730.	-1092.	2423.	130.	-1059.	-438.	-.0685	.0312	.0553	.0630	-.0805	-.0247	1629.
.1510	-971.	-1161.	1732.	138.	-810.	-466.	-.0524	.0187	.0508	.0735	-.0416	-.0302	1335.
.1520	306.	-1369.	1730.	163.	-658.	-549.	-.0346	.0080	.0437	.0832	-.0011	-.0355	1232.
.1530	-846.	-1489.	417.	177.	-268.	-597.	-.0186	-.0012	.0341	.0894	.0421	-.0344	958.
.1540	-170.	-1369.	616.	163.	-267.	-549.	-.0016	-.0091	.0217	.0902	.0647	-.0233	893.
.1550	1820.	-1068.	1923.	127.	-555.	-429.	.0166	-.0157	.0068	.0872	.0725	-.0046	1007.

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

.1440	-82.	1429.	-703.	-170.	272.	573.	-.1384	.1207	.0532	-.1152	-.1135	.0843	928.
.1450	62.	1300.	-600.	-164.	248.	554.	-.1303	.1057	.0552	-.0847	-.0921	.0790	888.
.1460	-2932.	670.	-1651.	-80.	314.	269.	-.1226	.0908	.0573	-.0454	-.0806	.0538	594.
.1470	-1011.	-333.	659.	40.	-385.	-134.	-.1103	.0759	.0582	-.0046	-.0983	.0187	578.
.1480	-937.	-1005.	1764.	119.	-619.	-433.	-.0980	.0608	.0586	.0283	-.1075	-.0080	1300.
.1490	-2101.	-1151.	1638.	137.	-907.	-462.	-.0849	.0455	.0580	.0496	-.0986	-.0199	1450.
.1500	-730.	-1092.	2423.	130.	-1059.	-438.	-.0685	.0312	.0553	.0630	-.0805	-.0247	1629.
.1510	-971.	-1161.	1732.	138.	-810.	-466.	-.0524	.0187	.0508	.0735	-.0416	-.0302	1335.
.1520	306.	-1369.	1730.	163.	-658.	-549.	-.0346	.0080	.0437	.0832	-.0011	-.0355	1232.
.1530	-846.	-1489.	417.	177.	-268.	-597.	-.0186	-.0012	.0341	.0894	.0421	-.0344	958.
.1540	-170.	-1369.	616.	163.	-267.	-549.	-.0016	-.0091	.0217	.0902	.0647	-.0233	893.
.1550	1820.	-1068.	1923.	127.	-555.	-429.	.0166	-.0157	.0068	.0872	.0725	-.0046	1007.

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 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	-1214.	-791.	184.	94.	-218.	-317.	.0312	-.0209	-.0090	.0837	.0978	.0158	560.
.1570	-289.	-709.	468.	84.	-222.	-285.	.0479	-.0245	-.0258	.0821	.1185	.0324	524.
.1580	1295.	-720.	588.	86.	-82.	-289.	.0638	-.0268	-.0424	.0797	.1515	.0468	441.
.1590	-91.	-518.	-1653.	62.	652.	-208.	.0755	-.0287	-.0575	.0722	.2101	.0663	971.
.1600	1267.	9.	-2551.	-1.	1174.	4.	.0862	-.0307	-.0707	.0587	.2656	.0929	1658.
.1610	4256.	555.	-2371.	-66.	1457.	223.	.0956	-.0327	-.0811	.0435	.3078	.1175	2084.
.1620	1716.	799.	-4878.	-95.	2161.	321.	.0986	-.0344	-.0877	.0318	.3436	.1306	3089.
.1630	2076.	662.	-4783.	-79.	2166.	266.	.1006	-.0360	-.0908	.0266	.3374	.1303	3084.
.1640	3238.	302.	-3362.	-36.	1734.	121.	.0998	-.0375	-.0898	.0258	.2970	.1206	2456.
.1650	793.	-56.	-3498.	7.	1498.	-22.	.0933	-.0393	-.0847	.0255	.2450	.1077	2116.
.1660	1163.	-241.	-1713.	29.	826.	-97.	.0862	-.0412	-.0766	.0243	.1727	.0973	1175.
.1670	779.	-255.	-532.	30.	306.	-102.	.0762	-.0431	-.0657	.0228	.1061	.0901	458.
.1680	838.	-305.	460.	36.	-85.	-122.	.0657	-.0444	-.0529	.0231	.0520	.0809	217.
.1690	-1388.	-415.	-352.	49.	-24.	-166.	.0536	-.0449	-.0388	.0251	.0196	.0694	247.
.1700	-2493.	-357.	-694.	42.	-18.	-143.	.0417	-.0453	-.0245	.0271	-.0092	.0625	213.
.1710	1419.	-43.	1922.	5.	-602.	-17.	.0337	-.0459	-.0112	.0286	-.0507	.0631	851.
.1720	-741.	354.	961.	-42.	-474.	142.	.0228	-.0466	.0015	.0306	-.0695	.0658	701.
.1730	-1859.	596.	697.	-71.	-501.	239.	.0141	-.0475	.0124	.0360	-.0893	.0636	790.
.1740	-741.	634.	1755.	-75.	-792.	254.	.0078	-.0485	.0215	.0457	-.1111	.0551	1180.
.1750	-1511.	535.	1453.	-64.	-763.	215.	.0008	-.0500	.0292	.0581	-.1148	.0417	1123.
.1760	-556.	373.	1750.	-44.	-768.	150.	-.0038	-.0520	.0355	.0715	-.1071	.0250	1107.
.1770	-1137.	237.	635.	-28.	-390.	95.	-.0091	-.0545	.0411	.0834	-.0762	.0071	568.
.1780	655.	100.	505.	-12.	-125.	40.	-.0124	-.0573	.0461	.0932	-.0382	-.0125	186.
.1790	626.	-97.	-877.	12.	426.	-39.	-.0171	-.0600	.0516	.1008	.0111	-.0350	605.
.1800	-796.	-340.	-2819.	40.	1036.	-136.	-.0240	-.0625	.0577	.1060	.0550	-.0587	1477.
.1810	2374.	-560.	-1410.	67.	848.	-223.	-.0291	-.0646	.0640	.1093	.0625	-.0802	1243.
.1820	1799.	-706.	-1516.	84.	822.	-283.	-.0381	-.0664	.0713	.1094	.0571	-.0972	1234.
.1830	284.	-763.	-1523.	91.	645.	-306.	-.0483	-.0676	.0791	.1059	.0316	-.1088	1016.
.1840	-389.	-666.	-562.	79.	179.	-267.	-.0587	-.0685	.0869	.0980	-.0143	-.1132	468.
.1850	-1020.	-409.	544.	49.	-339.	-164.	-.0698	-.0691	.0942	.0869	-.0670	-.1098	537.
.1860	-246.	-106.	2241.	13.	-929.	-42.	-.0791	-.0697	.1004	.0760	-.1183	-.1014	1313.
.1870	-2109.	173.	1916.	-21.	-1019.	69.	-.0892	-.0702	.1052	.0667	-.1466	-.0903	1444.
.1880	-1718.	418.	2443.	-50.	-1184.	168.	-.0960	-.0712	.1074	.0594	-.1652	-.0780	1691.
.1890	-1335.	614.	2553.	-73.	-1183.	246.	-.1006	-.0728	.1070	.0540	-.1687	-.0656	1710.
.1900	-2933.	680.	1271.	-81.	-858.	273.	-.1040	-.0750	.1039	.0524	-.1568	-.0555	1278.
.1910	-1954.	557.	1569.	-66.	-862.	223.	-.1030	-.0778	.0978	.0561	-.1519	-.0491	1261.
.1920	-1768.	252.	1533.	-30.	-825.	101.	-.0994	-.0809	.0892	.0640	-.1457	-.0470	1175.
.1930	-2270.	-199.	1151.	24.	-731.	-80.	-.0930	-.0839	.0786	.0738	-.1365	-.0486	1040.

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

.1830	284.	-763.	-1523.	91.	645.	-306.	-.0483	-.0676	.0791	.1059	.0316	-.1088	1016.
.1840	-389.	-666.	-562.	79.	179.	-267.	-.0587	-.0685	.0369	.0780	-.0143	-.1132	468.
.1850	-1020.	-409.	544.	49.	-339.	-164.	-.0698	-.0691	.0942	.0869	-.0670	-.1098	537.
.1860	-246.	-106.	2241.	13.	-929.	-42.	-.0791	-.0697	.1004	.0760	-.1183	-.1014	1313.
.1870	-2109.	173.	1916.	-21.	-1019.	69.	-.0892	-.0702	.1052	.0667	-.1466	-.0903	1444.
.1880	-1718.	418.	2443.	-50.	-1184.	168.	-.0960	-.0712	.1074	.0594	-.1552	-.0780	1691.
.1890	-1335.	614.	2553.	-73.	-1183.	246.	-.1006	-.0728	.1070	.0540	-.1587	-.0656	1710.
.1900	-2933.	680.	1271.	-81.	-858.	273.	-.1040	-.0750	.1039	.0524	-.1568	-.0555	1278.
.1910	-1954.	557.	1569.	-66.	-862.	223.	-.1030	-.0778	.0978	.0561	-.1519	-.0491	1261.
.1920	-1768.	252.	1533.	-30.	-825.	101.	-.0994	-.0809	.0892	.0640	-.1457	-.0470	1175.
.1930	-2270.	-199.	1151.	24.	-731.	-80.	-.0930	-.0839	.0786	.0738	-.1365	-.0486	1040.

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 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	-2062.	-676.	1123.	80.	-696.	-271.	-.0828	-.0866	.0663	.0822	-.1252	-.0507	1061.
.1950	-1639.	-988.	1005.	117.	-598.	-396.	-.0696	-.0888	.0530	.0858	-.1060	-.0479	1027.
.1960	-1727.	-1006.	295.	120.	-323.	-404.	-.0541	-.0904	.0394	.0825	-.0745	-.0371	750.
.1970	-1452.	-781.	-422.	93.	-3.	-313.	-.0365	-.0913	.0260	.0731	-.0360	-.0199	462.
.1980	-519.	-467.	-834.	56.	273.	-188.	-.0171	-.0913	.0133	.0605	.0037	-.0008	474.
.1990	33.	-140.	-1404.	17.	567.	-56.	.0028	-.0906	.0017	.0467	.0422	.0177	805.
.2000	181.	244.	-1943.	-29.	801.	98.	.0226	-.0899	-.0084	.0325	.0728	.0362	1141.
.2010	705.	717.	-1818.	-85.	813.	288.	.0421	-.0896	-.0172	.0188	.0876	.0552	1224.
.2020	1090.	1206.	-1338.	-143.	666.	484.	.0604	-.0903	-.0247	.0082	.0888	.0724	1181.
.2030	777.	1547.	-1024.	-184.	503.	621.	.0768	-.0922	-.0308	.0038	.0840	.0830	1158.
.2040	669.	1611.	-591.	-192.	317.	646.	.0916	-.0953	-.0356	.0077	.0779	.0831	1052.
.2050	1067.	1432.	-74.	-170.	157.	575.	.1049	-.0997	-.0393	.0190	.0760	.0732	875.
.2060	1127.	1172.	-92.	-139.	171.	470.	.1162	-.1057	-.0420	.0352	.0848	.0576	733.
.2070	887.	926.	-584.	-110.	340.	371.	.1253	-.1132	-.0437	.0542	.1029	.0391	728.
.2080	1264.	601.	-857.	-71.	494.	241.	.1325	-.1214	-.0444	.0767	.1223	.0157	783.
.2090	1952.	50.	-916.	-6.	599.	20.	.1377	-.1296	-.0443	.1033	.1383	-.0156	847.
.2100	1976.	-714.	-1180.	85.	708.	-286.	.1401	-.1371	-.0431	.1328	.1490	-.0534	1086.
.2110	1715.	-1502.	-1297.	179.	724.	-603.	.1400	-.1434	-.0410	.1611	.1489	-.0913	1354.
.2120	1651.	-2115.	-968.	251.	585.	-849.	.1377	-.1479	-.0381	.1838	.1360	-.1228	1498.
.2130	1431.	-2474.	-554.	294.	392.	-993.	.1331	-.1502	-.0344	.1982	.1155	-.1447	1564.
.2140	1057.	-2616.	-254.	311.	227.	-1050.	.1265	-.1497	-.0299	.2040	.0937	-.1569	1579.
.2150	952.	-2598.	58.	309.	90.	-1042.	.1184	-.1462	-.0249	.2015	.0736	-.1606	1541.
.2160	982.	-2406.	285.	286.	2.	-965.	.1090	-.1397	-.0195	.1903	.0570	-.1553	1422.
.2170	758.	-1985.	241.	236.	-7.	-797.	.0982	-.1307	-.0141	.1704	.0445	-.1399	1174.
.2180	545.	-1358.	165.	161.	-1.	-545.	.0864	-.1198	-.0089	.1435	.0336	-.1152	803.
.2190	521.	-669.	237.	79.	-33.	-268.	.0738	-.1074	-.0041	.1132	.0216	-.0859	398.
.2200	322.	-82.	269.	10.	-70.	-33.	.0606	-.0940	.0003	.0830	.0093	-.0577	110.
.2210	16.	334.	281.	-40.	-111.	134.	.0469	-.0801	.0043	.0555	-.0026	-.0331	252.
.2220	-0.	618.	449.	-73.	-180.	248.	.0333	-.0665	.0078	.0317	-.0137	-.0119	445.
.2230	66.	839.	558.	-100.	-216.	337.	.0195	-.0537	.0110	.0114	-.0208	.0073	582.
.2240	-35.	1033.	378.	-123.	-156.	415.	.0055	-.0420	.0140	-.0058	-.0210	.0246	649.
.2250	-1.	1179.	79.	-140.	-32.	473.	-.0085	-.0316	.0169	-.0194	-.0154	.0390	698.
.2260	208.	1231.	-249.	-146.	125.	494.	-.0226	-.0225	.0200	-.0287	-.0066	.0489	749.
.2270	213.	1186.	-705.	-141.	308.	476.	-.0370	-.0149	.0236	-.0337	.0019	.0540	825.
.2280	84.	1097.	-1089.	-130.	447.	440.	-.0514	-.0087	.0277	-.0352	.0045	.0555	905.
.2290	56.	1005.	-1125.	-119.	458.	403.	-.0656	-.0038	.0324	-.0345	-.0040	.0540	878.
.2300	-167.	879.	-932.	-104.	354.	352.	-.0796	-.0001	.0378	-.0317	-.0242	.0486	721.
.2310	-732.	650.	-638.	-78.	169.	265.	-.0928	.0028	.0436	-.0267	-.0538	.0380	457.

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

.2200	322.	-82.	269.	10.	-70.	-33.	.0606	-.0940	.0003	.0830	.0093	-.0577	110.
.2210	16.	334.	281.	-40.	-111.	134.	.0469	-.0801	.0043	.0555	-.0026	-.0331	252.
.2220	-0.	618.	449.	-73.	-180.	248.	.0333	-.0665	.0078	.0317	-.0137	-.0119	445.
.2230	66.	839.	558.	-100.	-216.	337.	.0195	-.0537	.0110	.0114	-.0208	.0073	582.
.2240	-35.	1033.	378.	-123.	-156.	415.	.0055	-.0420	.0140	-.0058	-.0210	.0246	649.
.2250	-1.	1179.	79.	-140.	-32.	473.	-.0085	-.0316	.0169	-.0194	-.0154	.0390	698.
.2260	208.	1231.	-249.	-146.	125.	494.	-.0226	-.0225	.0200	-.0287	-.0066	.0489	749.
.2270	213.	1186.	-705.	-141.	308.	476.	-.0370	-.0149	.0236	-.0337	.0019	.0540	825.
.2280	84.	1097.	-1089.	-130.	447.	440.	-.0514	-.0087	.0277	-.0352	.0045	.0555	905.
.2290	56.	1005.	-1125.	-119.	458.	403.	-.0656	-.0038	.0324	-.0345	-.0040	.0540	878.
.2300	-167.	879.	-932.	-104.	354.	352.	-.0796	-.0001	.0378	-.0317	-.0242	.0486	721.
.2310	-732.	660.	-638.	-78.	169.	265.	-.0928	.0028	.0436	-.0267	-.0538	.0380	457.

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 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	-1212.	338.	-96.	-40.	-106.	136.	-.1047	.0052	.0497	-.0195	-.0902	.0223	249.
.2330	-1513.	-32.	605.	4.	-423.	-13.	-.1146	.0075	.0556	-.0115	-.1284	.0037	597.
.2340	-1960.	-363.	1134.	43.	-688.	-146.	-.1221	.0098	.0610	-.0049	-.1621	-.0150	995.
.2350	-2384.	-589.	1501.	70.	-886.	-236.	-.1267	.0124	.0651	-.0014	-.1881	-.0314	1299.
.2360	-2433.	-704.	1882.	84.	-1044.	-282.	-.1278	.0156	.0677	-.0015	-.2058	-.0447	1532.
.2370	-2338.	-748.	2149.	89.	-1140.	-300.	-.1253	.0195	.0681	-.0043	-.2141	-.0553	1670.
.2380	-2337.	-752.	2199.	89.	-1160.	-302.	-.1195	.0244	.0661	-.0091	-.2125	-.0633	1698.
.2390	-2166.	-703.	2217.	84.	-1147.	-282.	-.1103	.0301	.0614	-.0157	-.2027	-.0680	1672.
.2400	-1775.	-582.	2212.	69.	-1099.	-233.	-.0980	.0364	.0541	-.0242	-.1844	-.0689	1589.
.2410	-1460.	-396.	1953.	47.	-957.	-159.	-.0833	.0432	.0444	-.0338	-.1558	-.0660	1372.
.2420	-1118.	-181.	1454.	22.	-717.	-73.	-.0667	.0503	.0328	-.0433	-.1169	-.0602	1018.
.2430	-493.	25.	879.	-3.	-411.	10.	-.0487	.0576	.0198	-.0516	-.0700	-.0524	581.
.2440	174.	197.	162.	-23.	-44.	79.	-.0301	.0648	.0061	-.0581	-.0180	-.0439	132.
.2450	694.	327.	-674.	-39.	353.	131.	-.0120	.0716	-.0076	-.0631	.0342	-.0350	535.
.2460	1248.	415.	-1359.	-49.	694.	166.	.0051	.0780	-.0208	-.0667	.0799	-.0262	1010.
.2470	1857.	450.	-1749.	-53.	923.	180.	.0205	.0838	-.0328	-.0690	.1137	-.0180	1330.
.2480	2116.	418.	-1990.	-50.	1050.	168.	.0335	.0891	-.0432	-.0702	.1333	-.0110	1504.
.2490	1980.	314.	-2054.	-37.	1059.	126.	.0436	.0939	-.0519	-.0704	.1376	-.0058	1508.
.2500	1859.	143.	-1735.	-17.	917.	57.	.0511	.0984	-.0588	-.0701	.1266	-.0025	1298.
.2510	1720.	-77.	-1183.	9.	679.	-31.	.0562	.1029	-.0640	-.0701	.1048	-.0006	960.
.2520	1342.	-296.	-681.	35.	433.	-119.	.0589	.1075	-.0677	-.0712	.0785	.0012	636.
.2530	919.	-455.	-337.	54.	204.	-182.	.0597	.1124	-.0703	-.0744	.0524	.0046	394.
.2540	662.	-525.	183.	62.	5.	-211.	.0591	.1177	-.0722	-.0800	.0296	.0104	311.
.2550	452.	-527.	449.	63.	-126.	-211.	.0575	.1235	-.0737	-.0878	.0132	.0183	359.
.2560	258.	-475.	529.	56.	-182.	-191.	.0552	.1300	-.0752	-.0973	.0041	.0281	380.
.2570	230.	-353.	544.	42.	-191.	-142.	.0524	.1369	-.0769	-.1088	.0016	.0398	341.
.2580	258.	-139.	483.	17.	-163.	-56.	.0494	.1440	-.0788	-.1224	.0048	.0538	245.
.2590	183.	148.	291.	-18.	-95.	59.	.0460	.1512	-.0809	-.1374	.0128	.0691	160.
.2600	186.	442.	76.	-53.	-8.	177.	.0425	.1581	-.0830	-.1521	.0245	.0836	262.
.2610	357.	668.	-130.	-79.	95.	268.	.0386	.1647	-.0848	-.1647	.0396	.0948	417.
.2620	506.	790.	-440.	-94.	237.	317.	.0342	.1707	-.0861	-.1745	.0579	.1014	574.
.2630	620.	838.	-822.	-100.	403.	336.	.0290	.1759	-.0865	-.1816	.0774	.1036	755.
.2640	821.	850.	-1142.	-101.	556.	341.	.0229	.1801	-.0857	-.1862	.0952	.1027	932.
.2650	975.	818.	-1405.	-97.	680.	328.	.0157	.1835	-.0836	-.1880	.1084	.0984	1075.
.2660	935.	700.	-1613.	-83.	758.	281.	.0073	.1860	-.0798	-.1868	.1144	.0900	1148.
.2670	837.	494.	-1608.	-59.	745.	198.	-.0023	.1879	-.0746	-.1834	.1102	.0774	1092.
.2680	701.	257.	-1357.	-31.	628.	103.	-.0128	.1894	-.0678	-.1790	.0952	.0628	899.
.2690	388.	61.	-987.	-7.	442.	24.	-.0240	.1903	-.0599	-.1751	.0714	.0485	625.

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

.2580	258.	-139.	403.	17.	-163.	-56.	.0494	.1440	-.0788	-.1224	.0048	.0538	245.
.2590	183.	148.	291.	-18.	-95.	59.	.0460	.1512	-.0809	-.1374	.0128	.0691	160.
.2600	186.	442.	76.	-53.	-8.	177.	.0425	.1581	-.0830	-.1521	.0245	.0836	262.
.2610	357.	668.	-130.	-79.	95.	268.	.0386	.1647	-.0848	-.1647	.0396	.0948	417.
.2620	506.	790.	-440.	-94.	237.	317.	.0342	.1707	-.0861	-.1745	.0579	.1014	574.
.2630	620.	838.	-822.	-100.	403.	336.	.0290	.1759	-.0865	-.1816	.0774	.1036	755.
.2640	821.	850.	-1142.	-101.	556.	341.	.0229	.1801	-.0857	-.1862	.0952	.1027	932.
.2650	975.	818.	-1405.	-97.	680.	328.	.0157	.1835	-.0836	-.1880	.1084	.0984	1075.
.2660	935.	700.	-1613.	-83.	758.	281.	.0073	.1860	-.0798	-.1868	.1144	.0900	1148.
.2670	837.	494.	-1608.	-59.	745.	198.	-.0023	.1879	-.0746	-.1834	.1102	.0774	1092.
.2680	701.	257.	-1357.	-31.	628.	103.	-.0128	.1894	-.0678	-.1790	.0952	.0628	899.
.2690	388.	61.	-987.	-7.	442.	24.	-.0240	.1903	-.0599	-.1751	.0714	.0485	625.

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 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	5.	-52.	-543.	6.	219.	-21.	-.0356	.1910	-.0510	-.1724	.0422	.0364	310.
.2710	-258.	-86.	-48.	10.	-11.	-34.	-.0470	.1915	-.0414	-.1711	.0118	.0270	53.
.2720	-475.	-65.	337.	8.	-192.	-26.	-.0581	.1920	-.0316	-.1706	-.0153	.0199	273.
.2730	-715.	3.	512.	-0.	-291.	1.	-.0685	.1922	-.0218	-.1707	-.0364	.0152	410.
.2740	-773.	122.	618.	-15.	-340.	49.	-.0779	.1922	-.0124	-.1712	-.0524	.0132	486.
.2750	-710.	269.	684.	-32.	-359.	108.	-.0862	.1919	-.0036	-.1711	-.0647	.0133	531.
.2760	-745.	381.	654.	-45.	-351.	153.	-.0934	.1911	.0042	-.1695	-.0746	.0139	545.
.2770	-799.	420.	643.	-50.	-353.	168.	-.0993	.1899	.0111	-.1659	-.0844	.0139	557.
.2780	-766.	403.	739.	-48.	-388.	162.	-.1039	.1881	.0168	-.1607	-.0952	.0136	597.
.2790	-792.	378.	835.	-45.	-429.	152.	-.1072	.1856	.0214	-.1546	-.1059	.0142	646.
.2800	-921.	371.	857.	-44.	-453.	149.	-.1093	.1824	.0248	-.1483	-.1150	.0165	677.
.2810	-970.	389.	871.	-46.	-465.	156.	-.1100	.1784	.0272	-.1421	-.1215	.0204	695.
.2820	-942.	430.	855.	-51.	-455.	173.	-.1092	.1738	.0285	-.1362	-.1248	.0256	691.
.2830	-975.	485.	740.	-58.	-413.	195.	-.1071	.1684	.0288	-.1307	-.1247	.0313	650.
.2840	-995.	530.	614.	-63.	-365.	213.	-.1034	.1623	.0281	-.1251	-.1225	.0368	603.
.2850	-902.	546.	591.	-65.	-344.	219.	-.0983	.1555	.0265	-.1189	-.1201	.0414	584.
.2860	-815.	539.	625.	-64.	-348.	216.	-.0918	.1480	.0241	-.1123	-.1176	.0450	585.
.2870	-808.	519.	657.	-62.	-360.	208.	-.0841	.1397	.0207	-.1057	-.1140	.0479	593.
.2880	-755.	486.	706.	-58.	-373.	195.	-.0752	.1307	.0166	-.0989	-.1079	.0498	600.
.2890	-610.	442.	724.	-53.	-363.	177.	-.0653	.1210	.0118	-.0919	-.0974	.0511	575.
.2900	-460.	405.	599.	-48.	-295.	163.	-.0547	.1108	.0065	-.0850	-.0803	.0522	481.
.2910	-283.	396.	333.	-47.	-167.	159.	-.0437	.0998	.0010	-.0783	-.0567	.0535	332.
.2920	-24.	413.	-7.	-49.	-0.	166.	-.0324	.0883	-.0046	-.0717	-.0283	.0551	244.
.2930	241.	434.	-391.	-52.	186.	174.	-.0212	.0762	-.0098	-.0646	.0022	.0562	367.
.2940	445.	429.	-759.	-51.	358.	172.	-.0104	.0636	-.0146	-.0561	.0314	.0563	565.
.2950	619.	384.	-998.	-46.	474.	154.	-.0002	.0505	-.0185	-.0458	.0556	.0548	707.
.2960	736.	299.	-1067.	-36.	515.	120.	.0092	.0371	-.0215	-.0336	.0727	.0520	749.
.2970	732.	190.	-1004.	-23.	490.	76.	.0176	.0234	-.0236	-.0197	.0826	.0483	701.
.2980	652.	76.	-832.	-9.	411.	30.	.0251	.0095	-.0246	-.0047	.0863	.0443	583.
.2990	559.	-32.	-586.	4.	301.	-13.	.0316	-.0045	-.0248	.0109	.0857	.0405	426.
.3000	448.	-139.	-340.	16.	190.	-56.	.0373	-.0184	-.0242	.0267	.0833	.0368	280.
.3010	336.	-251.	-141.	30.	97.	-101.	.0423	-.0320	-.0232	.0427	.0810	.0331	201.
.3020	272.	-361.	16.	43.	26.	-145.	.0468	-.0451	-.0218	.0583	.0795	.0297	217.
.3030	240.	-460.	120.	55.	-19.	-184.	.0508	-.0578	-.0204	.0733	.0794	.0270	273.
.3040	206.	-552.	163.	66.	-41.	-222.	.0544	-.0698	-.0190	.0876	.0804	.0248	332.
.3050	207.	-657.	176.	78.	-46.	-264.	.0577	-.0808	-.0178	.1012	.0825	.0228	394.
.3060	256.	-775.	165.	92.	-36.	-311.	.0605	-.0909	-.0168	.1141	.0856	.0209	461.
.3070	318.	-878.	93.	104.	0.	-352.	.0629	-.0999	-.0159	.1253	.0903	.0199	519.

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

.2970	732.	190.	-1004.	-23.	490.	76.	.0176	.0234	-.0236	-.0197	.0826	.0483	701.
.2980	652.	76.	-832.	-9.	411.	30.	.0251	.0095	-.0246	-.0047	.0863	.0443	583.
.2990	559.	-32.	-586.	4.	301.	-13.	.0316	-.0045	-.0248	.0109	.0857	.0405	426.
.3000	448.	-139.	-340.	16.	190.	-56.	.0373	-.0184	-.0242	.0267	.0833	.0368	280.
.3010	336.	-251.	-141.	30.	97.	-101.	.0423	-.0320	-.0232	.0427	.0810	.0331	201.
.3020	272.	-361.	16.	43.	26.	-145.	.0468	-.0451	-.0218	.0583	.0795	.0297	217.
.3030	240.	-460.	120.	55.	-19.	-184.	.0508	-.0578	-.0204	.0733	.0794	.0270	273.
.3040	206.	-552.	163.	66.	-41.	-222.	.0544	-.0698	-.0190	.0876	.0804	.0248	332.
.3050	207.	-657.	176.	78.	-46.	-264.	.0577	-.0808	-.0178	.1012	.0825	.0228	394.
.3060	256.	-775.	165.	92.	-36.	-311.	.0605	-.0909	-.0168	.1141	.0856	.0209	461.
.3070	318.	-878.	93.	104.	0.	-352.	.0629	-.0999	-.0159	.1253	.0903	.0199	519.

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 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	404.	-933.	-49.	111.	68.	-374.	.0648	-.1077	-.0149	.1341	.0969	.0206	560.
.3090	550.	-921.	-241.	109.	162.	-369.	.0659	-.1143	-.0136	.1399	.1050	.0233	590.
.3100	723.	-835.	-485.	99.	280.	-335.	.0662	-.1197	-.0119	.1424	.1137	.0280	633.
.3110	877.	-676.	-759.	80.	409.	-271.	.0653	-.1242	-.0095	.1417	.1214	.0343	702.
.3120	1025.	-452.	-988.	54.	518.	-181.	.0632	-.1278	-.0062	.1382	.1255	.0418	779.
.3130	1138.	-181.	-1115.	22.	583.	-73.	.0597	-.1308	-.0019	.1326	.1235	.0496	830.
.3140	1129.	103.	-1136.	-12.	590.	41.	.0546	-.1336	.0034	.1260	.1141	.0564	836.
.3150	1009.	364.	-1020.	-43.	529.	146.	.0481	-.1363	.0097	.1196	.0966	.0607	778.
.3160	815.	562.	-760.	-67.	402.	225.	.0402	-.1393	.0169	.1146	.0716	.0612	658.
.3170	545.	671.	-413.	-80.	231.	269.	.0313	-.1426	.0247	.1120	.0415	.0571	513.
.3180	216.	683.	-39.	-81.	41.	274.	.0218	-.1465	.0328	.1120	.0090	.0481	408.
.3190	-118.	599.	316.	-71.	-141.	240.	.0119	-.1509	.0410	.1147	-.0228	.0344	406.
.3200	-394.	433.	627.	-51.	-298.	174.	.0022	-.1558	.0489	.1199	-.0516	.0166	493.
.3210	-631.	202.	845.	-24.	-414.	81.	-.0069	-.1609	.0561	.1270	-.0755	-.0041	597.
.3220	-831.	-67.	961.	8.	-484.	-27.	-.0151	-.1662	.0626	.1354	-.0936	-.0265	685.
.3230	-953.	-347.	1012.	41.	-519.	-139.	-.0222	-.1712	.0680	.1442	-.1062	-.0490	762.
.3240	-1015.	-617.	1011.	73.	-526.	-248.	-.0279	-.1758	.0722	.1527	-.1138	-.0705	828.
.3250	-1066.	-856.	940.	102.	-504.	-344.	-.0321	-.1795	.0754	.1602	-.1165	-.0898	873.
.3260	-1062.	-1038.	839.	123.	-463.	-416.	-.0348	-.1823	.0774	.1658	-.1150	-.1054	896.
.3270	-985.	-1135.	729.	135.	-410.	-455.	-.0359	-.1839	.0784	.1689	-.1102	-.1165	886.
.3280	-895.	-1139.	579.	135.	-339.	-457.	-.0356	-.1842	.0786	.1690	-.1022	-.1226	826.
.3290	-784.	-1058.	404.	126.	-255.	-424.	-.0340	-.1834	.0781	.1660	-.0919	-.1239	722.
.3300	-609.	-904.	252.	107.	-173.	-363.	-.0313	-.1813	.0771	.1602	-.0806	-.1207	588.
.3310	-435.	-686.	123.	82.	-101.	-275.	-.0277	-.1783	.0757	.1518	-.0697	-.1136	430.
.3320	-324.	-418.	24.	50.	-48.	-168.	-.0234	-.1747	.0740	.1415	-.0507	-.1034	256.
.3330	-243.	-134.	11.	16.	-33.	-54.	-.0185	-.1706	.0719	.1301	-.0549	-.0913	92.
.3340	-178.	122.	108.	-14.	-65.	49.	-.0132	-.1664	.0694	.1190	-.0530	-.0790	116.
.3350	-182.	313.	266.	-37.	-128.	126.	-.0075	-.1622	.0665	.1091	-.0542	-.0679	259.
.3360	-233.	428.	457.	-51.	-211.	172.	-.0016	-.1583	.0629	.1012	-.0572	-.0586	391.
.3370	-259.	470.	669.	-56.	-299.	189.	.0047	-.1548	.0587	.0956	-.0602	-.0515	506.
.3380	-269.	443.	835.	-53.	-367.	178.	.0113	-.1518	.0535	.0922	-.0611	-.0465	581.
.3390	-280.	348.	895.	-41.	-392.	140.	.0181	-.1492	.0475	.0911	-.0580	-.0438	591.
.3400	-246.	192.	848.	-23.	-370.	77.	.0252	-.1469	.0405	.0919	-.0501	-.0433	534.
.3410	-153.	-1.	708.	0.	-302.	-0.	.0326	-.1446	.0327	.0938	-.0377	-.0442	427.
.3420	-56.	-196.	474.	23.	-197.	-79.	.0400	-.1423	.0242	.0956	-.0216	-.0455	301.
.3430	31.	-363.	184.	43.	-70.	-146.	.0474	-.1398	.0152	.0966	-.0034	-.0464	236.
.3440	137.	-487.	-102.	58.	57.	-195.	.0546	-.1367	.0060	.0959	.0151	-.0465	299.
.3450	247.	-566.	-360.	67.	174.	-227.	.0617	-.1331	-.0030	.0932	.0326	-.0456	415.

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

.3340	-178.	122.	108.	-14.	-85.	49.	-.0132	-.1664	.0694	.1190	-.0530	-.0790	116.
.3350	-182.	313.	266.	-37.	-128.	126.	-.0075	-.1622	.0665	.1091	-.0542	-.0679	259.
.3360	-233.	428.	457.	-51.	-211.	172.	-.0016	-.1583	.0629	.1012	-.0572	-.0586	391.
.3370	-259.	470.	669.	-56.	-299.	189.	.0047	-.1548	.0587	.0956	-.0602	-.0515	506.
.3380	-269.	443.	835.	-53.	-367.	178.	.0113	-.1518	.0535	.0922	-.0611	-.0465	581.
.3390	-260.	348.	895.	-41.	-392.	140.	.0181	-.1492	.0475	.0911	-.0580	-.0438	591.
.3400	-246.	192.	848.	-23.	-370.	77.	.0252	-.1469	.0405	.0919	-.0501	-.0433	534.
.3410	-153.	-1.	708.	0.	-302.	-0.	.0326	-.1446	.0327	.0938	-.0377	-.0442	427.
.3420	-56.	-196.	474.	23.	-197.	-79.	.0400	-.1423	.0242	.0956	-.0216	-.0455	301.
.3430	31.	-363.	184.	43.	-70.	-146.	.0474	-.1398	.0152	.0966	-.0034	-.0464	236.
.3440	137.	-487.	-102.	58.	57.	-195.	.0546	-.1367	.0060	.0959	.0151	-.0465	299.
.3450	247.	-566.	-360.	67.	174.	-227.	.0617	-.1331	-.0030	.0932	.0326	-.0456	415.

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 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	335.	-595.	-584.	71.	274.	-239.	.0683	-.1287	-.0117	.0882	.0481	-.0437	523.
.3470	419.	-564.	-751.	67.	351.	-226.	.0745	-.1235	-.0196	.0807	.0610	-.0407	598.
.3480	507.	-472.	-853.	56.	402.	-189.	.0800	-.1177	-.0266	.0708	.0709	-.0366	633.
.3490	575.	-334.	-906.	40.	432.	-134.	.0848	-.1113	-.0325	.0591	.0778	-.0320	641.
.3500	624.	-176.	-912.	21.	440.	-71.	.0887	-.1044	-.0372	.0464	.0816	-.0277	630.
.3510	665.	-23.	-860.	3.	424.	-9.	.0917	-.0971	-.0409	.0336	.0823	-.0243	599.
.3520	676.	113.	-765.	-13.	387.	45.	.0938	-.0898	-.0435	.0214	.0801	-.0223	551.
.3530	649.	220.	-642.	-26.	335.	88.	.0948	-.0824	-.0451	.0106	.0755	-.0218	490.
.3540	616.	285.	-498.	-34.	273.	114.	.0949	-.0752	-.0459	.0018	.0694	-.0231	421.
.3550	591.	298.	-361.	-35.	215.	120.	.0939	-.0682	-.0460	-.0045	.0630	-.0262	351.
.3560	564.	258.	-274.	-31.	177.	104.	.0921	-.0614	-.0454	-.0083	.0577	-.0311	293.
.3570	556.	176.	-248.	-21.	166.	71.	.0893	-.0548	-.0443	-.0098	.0541	-.0371	256.
.3580	590.	62.	-279.	-7.	182.	25.	.0856	-.0484	-.0426	-.0092	.0526	-.0438	260.
.3590	641.	-71.	-368.	8.	224.	-28.	.0809	-.0420	-.0404	-.0072	.0527	-.0505	319.
.3600	688.	-210.	-492.	25.	279.	-84.	.0752	-.0355	-.0375	-.0045	.0533	-.0568	413.
.3610	734.	-339.	-604.	40.	330.	-136.	.0685	-.0288	-.0339	-.0019	.0528	-.0620	507.
.3620	758.	-441.	-670.	52.	359.	-177.	.0607	-.0216	-.0297	-.0001	.0497	-.0656	570.
.3630	727.	-503.	-677.	60.	358.	-202.	.0519	-.0140	-.0248	.0001	.0431	-.0670	587.
.3640	651.	-517.	-606.	61.	321.	-207.	.0421	-.0060	-.0193	-.0016	.0325	-.0661	546.
.3650	546.	-475.	-455.	56.	247.	-190.	.0314	.0026	-.0132	-.0057	.0180	-.0627	448.
.3660	393.	-374.	-253.	44.	148.	-150.	.0201	.0116	-.0068	-.0122	.0004	-.0566	304.
.3670	190.	-218.	-26.	26.	33.	-87.	.0082	.0209	-.0002	-.0208	-.0190	-.0481	137.
.3680	-23.	-21.	221.	2.	-92.	-8.	-.0039	.0303	.0063	-.0309	-.0394	-.0378	130.
.3690	-231.	194.	473.	-23.	-217.	78.	-.0159	.0395	.0124	-.0417	-.0593	-.0265	327.
.3700	-444.	398.	697.	-47.	-332.	160.	-.0275	.0484	.0179	-.0524	-.0777	-.0152	525.
.3710	-645.	570.	882.	-68.	-430.	229.	-.0385	.0567	.0224	-.0623	-.0933	-.0048	695.
.3720	-802.	698.	1023.	-83.	-506.	280.	-.0485	.0643	.0259	-.0708	-.1052	.0043	825.
.3730	-917.	775.	1094.	-92.	-548.	311.	-.0574	.0710	.0282	-.0775	-.1123	.0115	899.
.3740	-992.	794.	1073.	-94.	-549.	318.	-.0649	.0768	.0293	-.0821	-.1138	.0167	906.
.3750	-1005.	751.	965.	-89.	-507.	301.	-.0711	.0816	.0292	-.0845	-.1096	.0196	842.
.3760	-957.	657.	781.	-78.	-427.	264.	-.0759	.0854	.0282	-.0851	-.1002	.0206	717.
.3770	-878.	532.	533.	-63.	-318.	214.	-.0792	.0885	.0263	-.0841	-.0868	.0203	549.
.3780	-784.	396.	262.	-47.	-198.	159.	-.0814	.0908	.0239	-.0822	-.0711	.0193	365.
.3790	-675.	254.	17.	-30.	-87.	102.	-.0823	.0925	.0211	-.0796	-.0552	.0179	194.
.3800	-575.	107.	-169.	-13.	-0.	43.	-.0821	.0940	.0182	-.0768	-.0408	.0164	63.
.3810	-509.	-31.	-281.	4.	52.	-12.	-.0811	.0952	.0153	-.0742	-.0292	.0153	76.
.3820	-474.	-138.	-306.	16.	66.	-55.	-.0791	.0964	.0125	-.0723	-.0208	.0154	124.
.3830	-460.	-192.	-248.	23.	45.	-77.	-.0764	.0976	.0100	-.0715	-.0158	.0175	130.

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	-802.	898.	1023.	-83.	-508.	280.	-.0685	.0845	.0259	-.0708	-.1052	.0043	825.
.3730	-917.	775.	1094.	-92.	-548.	311.	-.0574	.0710	.0282	-.0775	-.1123	.0115	899.
.3740	-992.	794.	1073.	-94.	-549.	318.	-.0649	.0768	.0293	-.0821	-.1138	.0167	906.
.3750	-1005.	751.	965.	-89.	-507.	301.	-.0711	.0816	.0292	-.0845	-.1096	.0196	842.
.3760	-957.	657.	781.	-78.	-427.	264.	-.0759	.0854	.0282	-.0851	-.1002	.0206	717.
.3770	-878.	532.	533.	-63.	-318.	214.	-.0792	.0885	.0263	-.0841	-.0868	.0203	549.
.3780	-784.	396.	262.	-47.	-198.	159.	-.0814	.0908	.0239	-.0822	-.0711	.0193	365.
.3790	-675.	254.	17.	-30.	-87.	102.	-.0823	.0925	.0211	-.0796	-.0552	.0179	194.
.3800	-575.	107.	-169.	-13.	-0.	43.	-.0821	.0940	.0182	-.0768	-.0408	.0164	63.
.3810	-509.	-31.	-281.	4.	52.	-12.	-.0811	.0952	.0153	-.0742	-.0292	.0153	76.
.3820	-474.	-138.	-306.	16.	66.	-55.	-.0791	.0964	.0125	-.0723	-.0208	.0154	124.
.3830	-460.	-192.	-248.	23.	45.	-77.	-.0764	.0976	.0100	-.0715	-.0158	.0175	130.

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 17 MEMBER 1 SEQUENCE 901 LOCATION END TYPE EL

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	-466.	-190.	-138.	23.	0.	-76.	-.0729	.0989	.0076	-.0720	-.0131	.0218	113.
.3850	-479.	-142.	-4.	17.	-55.	-57.	-.0686	.1003	.0053	-.0735	-.0118	.0282	115.
.3860	-474.	-62.	135.	7.	-111.	-25.	-.0637	.1017	.0029	-.0757	-.0109	.0361	160.
.3870	-451.	41.	260.	-5.	-158.	16.	-.0580	.1030	.0004	-.0781	-.0097	.0453	225.
.3880	-414.	154.	357.	-18.	-192.	62.	-.0517	.1043	-.0025	-.0803	-.0075	.0552	287.
.3890	-358.	257.	421.	-31.	-212.	103.	-.0449	.1052	-.0058	-.0819	-.0040	.0652	335.
.3900	-281.	326.	449.	-39.	-213.	131.	-.0375	.1059	-.0096	-.0821	.0010	.0743	358.
.3910	-186.	352.	430.	-42.	-195.	141.	-.0298	.1063	-.0139	-.0808	.0078	.0822	345.
.3920	-75.	347.	359.	-41.	-153.	139.	-.0220	.1062	-.0186	-.0780	.0167	.0891	298.
.3930	58.	322.	236.	-38.	-88.	129.	-.0141	.1057	-.0237	-.0741	.0277	.0949	227.
.3940	210.	276.	60.	-33.	1.	111.	-.0064	.1049	-.0289	-.0694	.0405	.0995	163.
.3950	375.	204.	-158.	-24.	108.	82.	.0008	.1038	-.0340	-.0640	.0546	.1027	194.
.3960	544.	114.	-390.	-14.	221.	46.	.0074	.1025	-.0388	-.0584	.0688	.1046	320.
.3970	695.	29.	-606.	-3.	326.	12.	.0132	.1011	-.0431	-.0530	.0816	.1058	460.
.3980	808.	-34.	-775.	4.	407.	-14.	.0180	.0997	-.0467	-.0484	.0917	.1068	575.
.3990	879.	-73.	-872.	9.	454.	-29.	.0216	.0983	-.0494	-.0447	.0979	.1076	643.
.4000	912.	-94.	-888.	11.	465.	-38.	.0239	.0970	-.0511	-.0420	.1000	.1080	659.

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)
.0290	5991.	10.	-8576.	-1.	4153.	4.	.1388	.0438	-.0592	-.0183	.4673	-.0358	5866.

SECTION 17 MEMBER 2 SEQUENCE 853 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)
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	-.0001	.0000	0.
.0020	0.	0.	0.	0.	0.	0.	-.0001	.0000	-.0001	-.0001	-.0009	.0002	0.
.0030	0.	0.	0.	0.	0.	0.	-.0002	-.0000	-.0002	.0000	-.0024	.0003	0.
.0040	0.	0.	0.	0.	0.	0.	-.0004	-.0000	-.0006	.0004	-.0045	-.0002	0.
.0050	0.	0.	0.	0.	0.	0.	-.0006	.0000	-.0013	.0013	-.0066	-.0013	0.
.0060	0.	0.	0.	0.	0.	0.	-.0009	.0001	-.0023	.0023	-.0081	-.0029	0.
.0070	0.	0.	0.	0.	0.	0.	-.0011	.0004	-.0040	.0029	-.0099	-.0043	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

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	-.0001	.0000	0.
.0020	0.	0.	0.	0.	0.	0.	-.0001	.0000	-.0001	-.0001	-.0009	.0002	0.
.0030	0.	0.	0.	0.	0.	0.	-.0002	-.0000	-.0002	.0000	-.0024	.0003	0.
.0040	0.	0.	0.	0.	0.	0.	-.0004	-.0000	-.0006	.0004	-.0045	-.0002	0.
.0050	0.	0.	0.	0.	0.	0.	-.0006	.0000	-.0013	.0013	-.0066	-.0013	0.
.0060	0.	0.	0.	0.	0.	0.	-.0009	.0001	-.0023	.0023	-.0081	-.0029	0.
.0070	0.	0.	0.	0.	0.	0.	-.0011	.0004	-.0040	.0029	-.0099	-.0043	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 17 MEMBER 2 SEQUENCE 853 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)
.0080	0.	0.	0.	0.	0.	0.	-.0014	.0010	-.0062	.0032	-.0144	-.0053	0.
.0090	0.	0.	0.	0.	0.	0.	-.0014	.0019	-.0092	.0037	-.0222	-.0072	0.
.0100	0.	0.	0.	0.	0.	0.	-.0008	.0034	-.0130	.0049	-.0321	-.0114	0.
.0110	0.	0.	0.	0.	0.	0.	.0010	.0055	-.0179	.0060	-.0420	-.0176	0.
.0120	0.	0.	0.	0.	0.	0.	.0043	.0087	-.0241	.0051	-.0479	-.0229	0.
.0130	0.	0.	0.	0.	0.	0.	.0090	.0134	-.0318	.0002	-.0452	-.0249	0.
.0140	0.	0.	0.	0.	0.	0.	.0154	.0195	-.0407	-.0090	-.0302	-.0233	0.
.0150	0.	0.	0.	0.	0.	0.	.0232	.0272	-.0500	-.0225	-.0022	-.0189	0.
.0160	0.	0.	0.	0.	0.	0.	.0321	.0362	-.0584	-.0402	.0350	-.0114	0.
.0170	0.	0.	0.	0.	0.	0.	.0420	.0461	-.0643	-.0622	.0703	.0011	0.
.0180	0.	0.	0.	0.	0.	0.	.0527	.0563	-.0663	-.0874	.0892	.0202	0.
.0190	0.	0.	0.	0.	0.	0.	.0637	.0658	-.0639	-.1124	.0805	.0435	0.
.0200	0.	0.	0.	0.	0.	0.	.0751	.0737	-.0582	-.1319	.0312	.0664	0.
.0210	0.	0.	0.	0.	0.	0.	.0877	.0787	-.0518	-.1389	-.0476	.0784	0.
.0220	0.	0.	0.	0.	0.	0.	.1007	.0804	-.0496	-.1291	-.0994	.0692	0.
.0230	0.	0.	0.	0.	0.	0.	.1146	.0795	-.0538	-.1093	-.0944	.0456	0.
.0240	0.	0.	0.	0.	0.	0.	.1287	.0769	-.0648	-.0915	-.0215	.0271	0.
.0250	0.	0.	0.	0.	0.	0.	.1432	.0735	-.0793	-.0838	.0912	.0287	0.
.0260	0.	0.	0.	0.	0.	0.	.1567	.0689	-.0930	-.0828	.2055	.0427	0.
.0270	0.	0.	0.	0.	0.	0.	.1621	.0620	-.1045	-.0742	.3381	.0405	0.
.0280	0.	0.	0.	0.	0.	0.	.1586	.0525	-.1091	-.0494	.4536	.0075	0.
.0290	0.	0.	0.	0.	0.	0.	.1512	.0412	-.1007	-.0183	.4768	-.0358	0.
.0300	0.	0.	0.	0.	0.	0.	.1315	.0299	-.0810	.0002	.4282	-.0572	0.
.0310	0.	0.	0.	0.	0.	0.	.1001	.0190	-.0520	.0057	.3236	-.0548	0.
.0320	0.	0.	0.	0.	0.	0.	.0661	.0076	-.0136	.0156	.1457	-.0538	0.
.0330	0.	0.	0.	0.	0.	0.	.0300	-.0047	.0274	.0416	-.0383	-.0760	0.
.0340	0.	0.	0.	0.	0.	0.	-.0102	-.0170	.0628	.0710	-.1559	-.1089	0.
.0350	0.	0.	0.	0.	0.	0.	-.0482	-.0278	.0919	.0798	-.2355	-.1188	0.
.0360	0.	0.	0.	0.	0.	0.	-.0785	-.0369	.1150	.0645	-.3080	-.0961	0.
.0370	0.	0.	0.	0.	0.	0.	-.1052	-.0456	.1282	.0478	-.3285	-.0690	0.
.0380	0.	0.	0.	0.	0.	0.	-.1298	-.0554	.1305	.0515	-.2762	-.0713	0.
.0390	0.	0.	0.	0.	0.	0.	-.1464	-.0660	.1271	.0703	-.2117	-.1039	0.
.0400	0.	0.	0.	0.	0.	0.	-.1539	-.0755	.1218	.0807	-.1874	-.1302	0.
.0410	0.	0.	0.	0.	0.	0.	-.1627	-.0823	.1112	.0726	-.1479	-.1193	0.
.0420	0.	0.	0.	0.	0.	0.	-.1703	-.0866	.0979	.0600	-.1049	-.0828	0.
.0430	0.	0.	0.	0.	0.	0.	-.1681	-.0896	.0876	.0586	-.1153	-.0606	0.
.0440	0.	0.	0.	0.	0.	0.	-.1603	-.0915	.0777	.0674	-.1301	-.0703	0.
.0450	0.	0.	0.	0.	0.	0.	-.1523	-.0909	.0648	.0704	-.0935	-.0797	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

.0340	0.	0.	0.	0.	0.	0.	-.0102	-.0170	.0628	.0710	-.1559	-.1089	0.
.0350	0.	0.	0.	0.	0.	0.	-.0482	-.0278	.0919	.0798	-.2355	-.1188	0.
.0360	0.	0.	0.	0.	0.	0.	-.0785	-.0369	.1150	.0645	-.3080	-.0961	0.
.0370	0.	0.	0.	0.	0.	0.	-.1052	-.0456	.1282	.0478	-.3285	-.0690	0.
.0380	0.	0.	0.	0.	0.	0.	-.1298	-.0554	.1305	.0515	-.2762	-.0713	0.
.0390	0.	0.	0.	0.	0.	0.	-.1464	-.0660	.1271	.0703	-.2117	-.1039	0.
.0400	0.	0.	0.	0.	0.	0.	-.1539	-.0755	.1218	.0807	-.1874	-.1302	0.
.0410	0.	0.	0.	0.	0.	0.	-.1627	-.0823	.1112	.0726	-.1479	-.1193	0.
.0420	0.	0.	0.	0.	0.	0.	-.1703	-.0866	.0979	.0600	-.1049	-.0828	0.
.0430	0.	0.	0.	0.	0.	0.	-.1681	-.0896	.0876	.0586	-.1153	-.0606	0.
.0440	0.	0.	0.	0.	0.	0.	-.1603	-.0915	.0777	.0674	-.1301	-.0703	0.
.0450	0.	0.	0.	0.	0.	0.	-.1523	-.0909	.0648	.0704	-.0935	-.0797	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 17 MEMBER 2 SEQUENCE 853 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)
.0460	0.	0.	0.	0.	0.	0.	-.1415	-.0866	.0515	.0514	-.0332	-.0479	0.
.0470	0.	0.	0.	0.	0.	0.	-.1259	-.0794	.0410	.0110	.0147	.0220	0.
.0480	0.	0.	0.	0.	0.	0.	-.1097	-.0723	.0334	-.0314	.0625	.0924	0.
.0490	0.	0.	0.	0.	0.	0.	-.0955	-.0682	.0300	-.0543	.1022	.1330	0.
.0500	0.	0.	0.	0.	0.	0.	-.0808	-.0684	.0337	-.0521	.0886	.1398	0.
.0510	0.	0.	0.	0.	0.	0.	-.0659	-.0728	.0438	-.0365	.0160	.1305	0.
.0520	0.	0.	0.	0.	0.	0.	-.0520	-.0807	.0568	-.0178	-.0325	.1280	0.
.0530	0.	0.	0.	0.	0.	0.	-.0369	-.0920	.0694	.0056	-.1817	.1349	0.
.0540	0.	0.	0.	0.	0.	0.	-.0181	-.1069	.0786	.0404	-.2545	.1268	0.
.0550	0.	0.	0.	0.	0.	0.	.0042	-.1252	.0815	.0874	-.2727	.0865	0.
.0560	0.	0.	0.	0.	0.	0.	.0299	-.1455	.0773	.1389	-.2384	.0321	0.
.0570	0.	0.	0.	0.	0.	0.	.0576	-.1658	.0669	.1843	-.1716	-.0069	0.
.0580	0.	0.	0.	0.	0.	0.	.0846	-.1852	.0518	.2180	-.0865	-.0290	0.
.0590	0.	0.	0.	0.	0.	0.	.1099	-.2035	.0345	.2463	-.0048	-.0570	0.
.0600	0.	0.	0.	0.	0.	0.	.1337	-.2205	.0179	.2805	.0546	-.1051	0.
.0610	0.	0.	0.	0.	0.	0.	.1546	-.2348	.0027	.3208	.0931	-.1633	0.
.0620	0.	0.	0.	0.	0.	0.	.1707	-.2443	-.0114	.3529	.1207	-.2082	0.
.0630	0.	0.	0.	0.	0.	0.	.1829	-.2474	-.0240	.3624	.1330	-.2213	0.
.0640	0.	0.	0.	0.	0.	0.	.1920	-.2437	-.0352	.3491	.1393	-.2040	0.
.0650	0.	0.	0.	0.	0.	0.	.1962	-.2341	-.0465	.3220	.1670	-.1750	0.
.0660	0.	0.	0.	0.	0.	0.	.1952	-.2198	-.0576	.2872	.2129	-.1465	0.
.0670	0.	0.	0.	0.	0.	0.	.1912	-.2016	-.0659	.2437	.2416	-.1112	0.
.0680	0.	0.	0.	0.	0.	0.	.1833	-.1806	-.0708	.1900	.2428	-.0603	0.
.0690	0.	0.	0.	0.	0.	0.	.1700	-.1584	-.0735	.1308	.2308	-.0036	0.
.0700	0.	0.	0.	0.	0.	0.	.1535	-.1369	-.0737	.0764	.2001	.0398	0.
.0710	0.	0.	0.	0.	0.	0.	.1365	-.1174	-.0716	.0360	.1509	.0634	0.
.0720	0.	0.	0.	0.	0.	0.	.1178	-.1003	-.0700	.0101	.1168	.0752	0.
.0730	0.	0.	0.	0.	0.	0.	.0971	-.0854	-.0703	-.0074	.1165	.0849	0.
.0740	0.	0.	0.	0.	0.	0.	.0773	-.0725	-.0708	-.0224	.1326	.0955	0.
.0750	0.	0.	0.	0.	0.	0.	.0584	-.0615	-.0706	-.0355	.1607	.1045	0.
.0760	0.	0.	0.	0.	0.	0.	.0376	-.0526	-.0690	-.0433	.2038	.1065	0.
.0770	0.	0.	0.	0.	0.	0.	.0151	-.0457	-.0633	-.0431	.2323	.0979	0.
.0780	0.	0.	0.	0.	0.	0.	-.0073	-.0404	-.0506	-.0355	.2105	.0797	0.
.0790	0.	0.	0.	0.	0.	0.	-.0306	-.0358	-.0314	-.0234	.1461	.0573	0.
.0800	0.	0.	0.	0.	0.	0.	-.0557	-.0311	-.0081	-.0108	.0644	.0355	0.
.0810	0.	0.	0.	0.	0.	0.	-.0792	-.0252	.0182	-.0008	-.0321	.0174	0.
.0820	0.	0.	0.	0.	0.	0.	-.0979	-.0177	.0456	.0050	-.1341	.0060	0.
.0830	0.	0.	0.	0.	0.	0.	-.1125	-.0084	.0705	.0066	-.2080	.0035	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

.0720	0.	0.	0.	0.	0.	0.	.1178	-.1003	-.0700	.0101	.1168	.0752	0.
.0730	0.	0.	0.	0.	0.	0.	.0971	-.0854	-.0703	-.0074	.1165	.0849	0.
.0740	0.	0.	0.	0.	0.	0.	.0773	-.0725	-.0708	-.0224	.1326	.0955	0.
.0750	0.	0.	0.	0.	0.	0.	.0584	-.0615	-.0706	-.0355	.1607	.1045	0.
.0760	0.	0.	0.	0.	0.	0.	.0376	-.0526	-.0690	-.0433	.2038	.1065	0.
.0770	0.	0.	0.	0.	0.	0.	.0151	-.0457	-.0633	-.0431	.2323	.0979	0.
.0780	0.	0.	0.	0.	0.	0.	-.0073	-.0404	-.0506	-.0355	.2105	.0797	0.
.0790	0.	0.	0.	0.	0.	0.	-.0306	-.0358	-.0314	-.0234	.1461	.0573	0.
.0800	0.	0.	0.	0.	0.	0.	-.0557	-.0311	-.0081	-.0108	.0644	.0355	0.
.0810	0.	0.	0.	0.	0.	0.	-.0792	-.0252	.0182	-.0008	-.0321	.0174	0.
.0820	0.	0.	0.	0.	0.	0.	-.0979	-.0177	.0456	.0050	-.1341	.0060	0.
.0830	0.	0.	0.	0.	0.	0.	-.1125	-.0084	.0705	.0066	-.2080	.0035	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 17 MEMBER 2 SEQUENCE 853 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)
.0840	0.	0.	0.	0.	0.	0.	-.1227	.0024	.0906	.0032	-.2412	.0092	0.
.0850	0.	0.	0.	0.	0.	0.	-.1267	.0141	.1063	-.0070	-.2527	.0195	0.
.0860	0.	0.	0.	0.	0.	0.	-.1256	.0255	.1171	-.0244	-.2516	.0308	0.
.0870	0.	0.	0.	0.	0.	0.	-.1219	.0354	.1227	-.0439	-.2364	.0392	0.
.0880	0.	0.	0.	0.	0.	0.	-.1154	.0425	.1237	-.0574	-.2210	.0387	0.
.0890	0.	0.	0.	0.	0.	0.	-.1052	.0458	.1213	-.0595	-.2148	.0219	0.
.0900	0.	0.	0.	0.	0.	0.	-.0925	.0453	.1148	-.0510	-.2019	-.0119	0.
.0910	0.	0.	0.	0.	0.	0.	-.0786	.0417	.1036	-.0365	-.1668	-.0536	0.
.0920	0.	0.	0.	0.	0.	0.	-.0636	.0358	.0890	-.0203	-.1132	-.0926	0.
.0930	0.	0.	0.	0.	0.	0.	-.0483	.0286	.0724	-.0035	-.0481	-.1259	0.
.0940	0.	0.	0.	0.	0.	0.	-.0346	.0210	.0557	.0149	.0203	-.1565	0.
.0950	0.	0.	0.	0.	0.	0.	-.0239	.0136	.0411	.0337	.0727	-.1854	0.
.0960	0.	0.	0.	0.	0.	0.	-.0172	.0077	.0306	.0475	.0899	-.2087	0.
.0970	0.	0.	0.	0.	0.	0.	-.0153	.0042	.0248	.0516	.0662	-.2198	0.
.0980	0.	0.	0.	0.	0.	0.	-.0180	.0036	.0231	.0459	.0044	-.2145	0.
.0990	0.	0.	0.	0.	0.	0.	-.0235	.0060	.0241	.0340	-.0836	-.1951	0.
.1000	0.	0.	0.	0.	0.	0.	-.0306	.0111	.0253	.0185	-.1741	-.1692	0.
.1010	0.	0.	0.	0.	0.	0.	-.0375	.0185	.0242	-.0002	-.2449	-.1418	0.
.1020	0.	0.	0.	0.	0.	0.	-.0418	.0279	.0191	-.0221	-.2867	-.1117	0.
.1030	0.	0.	0.	0.	0.	0.	-.0420	.0388	.0096	-.0465	-.2968	-.0761	0.
.1040	0.	0.	0.	0.	0.	0.	-.0377	.0508	-.0047	-.0720	-.2736	-.0378	0.
.1050	0.	0.	0.	0.	0.	0.	-.0288	.0631	-.0228	-.0956	-.2268	-.0038	0.
.1060	0.	0.	0.	0.	0.	0.	-.0149	.0753	-.0433	-.1151	-.1690	.0219	0.
.1070	0.	0.	0.	0.	0.	0.	.0022	.0873	-.0657	-.1316	-.0996	.0423	0.
.1080	0.	0.	0.	0.	0.	0.	.0214	.0993	-.0886	-.1488	-.0328	.0669	0.
.1090	0.	0.	0.	0.	0.	0.	.0427	.1112	-.1104	-.1672	.0005	.1020	0.
.1100	0.	0.	0.	0.	0.	0.	.0618	.1223	-.1336	-.1762	.0765	.1279	0.
.1110	0.	0.	0.	0.	0.	0.	.0822	.1324	-.1551	-.1757	.1748	.1370	0.
.1120	0.	0.	0.	0.	0.	0.	.1031	.1418	-.1724	-.1761	.2738	.1452	0.
.1130	0.	0.	0.	0.	0.	0.	.1194	.1505	-.1850	-.1838	.3776	.1706	0.
.1140	0.	0.	0.	0.	0.	0.	.1299	.1577	-.1903	-.1924	.4589	.2060	0.
.1150	0.	0.	0.	0.	0.	0.	.1355	.1615	-.1852	-.1901	.4783	.2217	0.
.1160	0.	0.	0.	0.	0.	0.	.1342	.1611	-.1701	-.1712	.4358	.2019	0.
.1170	0.	0.	0.	0.	0.	0.	.1266	.1568	-.1470	-.1395	.3448	.1594	0.
.1180	0.	0.	0.	0.	0.	0.	.1108	.1501	-.1200	-.1059	.2503	.1165	0.
.1190	0.	0.	0.	0.	0.	0.	.0947	.1422	-.0900	-.0816	.1373	.0852	0.
.1200	0.	0.	0.	0.	0.	0.	.0794	.1334	-.0612	.0675	.0377	.0612	0.
.1210	0.	0.	0.	0.	0.	0.	.0598	.1237	-.0385	-.0541	-.0091	.0324	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

.1100	0.	0.	0.	0.	0.	0.	.0618	.1223	-.1336	-.1762	.0765	.1279	0.
.1110	0.	0.	0.	0.	0.	0.	.0822	.1324	-.1551	-.1757	.1748	.1370	0.
.1120	0.	0.	0.	0.	0.	0.	.1031	.1418	-.1724	-.1761	.2738	.1452	0.
.1130	0.	0.	0.	0.	0.	0.	.1194	.1505	-.1850	-.1838	.3776	.1706	0.
.1140	0.	0.	0.	0.	0.	0.	.1299	.1577	-.1903	-.1924	.4589	.2060	0.
.1150	0.	0.	0.	0.	0.	0.	.1355	.1615	-.1852	-.1901	.4783	.2217	0.
.1160	0.	0.	0.	0.	0.	0.	.1342	.1611	-.1701	-.1712	.4358	.2019	0.
.1170	0.	0.	0.	0.	0.	0.	.1266	.1568	-.1470	-.1395	.3448	.1594	0.
.1180	0.	0.	0.	0.	0.	0.	.1108	.1501	-.1200	-.1059	.2503	.1165	0.
.1190	0.	0.	0.	0.	0.	0.	.0947	.1422	-.0900	-.0816	.1373	.0852	0.
.1200	0.	0.	0.	0.	0.	0.	.0794	.1334	-.0612	-.0675	.0377	.0612	0.
.1210	0.	0.	0.	0.	0.	0.	.0598	.1237	-.0385	-.0541	-.0091	.0324	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 17 MEMBER 2 SEQUENCE 853 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)
.1220	0.	0.	0.	0.	0.	0.	.0438	.1132	-.0200	-.0298	-.0438	-.0156	0.
.1230	0.	0.	0.	0.	0.	0.	.0296	.1030	-.0063	.0015	-.0632	-.0797	0.
.1240	0.	0.	0.	0.	0.	0.	.0169	.0949	.0019	.0267	-.0638	-.1365	0.
.1250	0.	0.	0.	0.	0.	0.	.0049	.0909	.0044	.0360	-.0413	-.1639	0.
.1260	0.	0.	0.	0.	0.	0.	-.0094	.0915	.0022	.0282	.0039	-.1625	0.
.1270	0.	0.	0.	0.	0.	0.	-.0197	.0960	.0000	.0095	.0167	-.1496	0.
.1280	0.	0.	0.	0.	0.	0.	-.0316	.1037	-.0027	-.0121	.0182	-.1375	0.
.1290	0.	0.	0.	0.	0.	0.	-.0446	.1140	-.0055	-.0320	.0148	-.1267	0.
.1300	0.	0.	0.	0.	0.	0.	-.0560	.1267	-.0072	-.0563	-.0004	-.1087	0.
.1310	0.	0.	0.	0.	0.	0.	-.0693	.1415	-.0085	-.0947	-.0018	-.0743	0.
.1320	0.	0.	0.	0.	0.	0.	-.0808	.1571	-.0077	-.1451	-.0082	-.0221	0.
.1330	0.	0.	0.	0.	0.	0.	-.0939	.1718	-.0049	-.1939	-.0105	.0339	0.
.1340	0.	0.	0.	0.	0.	0.	-.1067	.1834	.0012	-.2270	-.0273	.0712	0.
.1350	0.	0.	0.	0.	0.	0.	-.1177	.1908	.0111	-.2415	-.0715	.0816	0.
.1360	0.	0.	0.	0.	0.	0.	-.1307	.1943	.0228	-.2443	-.1247	.0794	0.
.1370	0.	0.	0.	0.	0.	0.	-.1411	.1944	.0362	-.2419	-.1981	.0796	0.
.1380	0.	0.	0.	0.	0.	0.	-.1513	.1917	.0484	-.2368	-.2588	.0839	0.
.1390	0.	0.	0.	0.	0.	0.	-.1579	.1863	.0580	-.2258	-.2980	.0852	0.
.1400	0.	0.	0.	0.	0.	0.	-.1595	.1785	.0641	-.2062	-.3046	.0805	0.
.1410	0.	0.	0.	0.	0.	0.	-.1599	.1687	.0653	-.1815	-.2597	.0742	0.
.1420	0.	0.	0.	0.	0.	0.	-.1553	.1575	.0646	-.1575	-.2048	.0722	0.
.1430	0.	0.	0.	0.	0.	0.	-.1488	.1451	.0633	-.1373	-.1513	.0780	0.
.1440	0.	0.	0.	0.	0.	0.	-.1412	.1309	.0626	-.1156	-.1129	.0857	0.
.1450	0.	0.	0.	0.	0.	0.	-.1325	.1147	.0628	-.0851	-.0916	.0803	0.
.1460	0.	0.	0.	0.	0.	0.	-.1247	.0966	.0638	-.0456	-.0798	.0544	0.
.1470	0.	0.	0.	0.	0.	0.	-.1128	.0776	.0667	-.0045	-.0992	.0184	0.
.1480	0.	0.	0.	0.	0.	0.	-.1008	.0591	.0681	.0285	-.1094	-.0090	0.
.1490	0.	0.	0.	0.	0.	0.	-.0876	.0423	.0667	.0499	-.1007	-.0210	0.
.1500	0.	0.	0.	0.	0.	0.	-.0706	.0273	.0626	.0633	-.0829	-.0257	0.
.1510	0.	0.	0.	0.	0.	0.	-.0535	.0140	.0547	.0738	-.0435	-.0313	0.
.1520	0.	0.	0.	0.	0.	0.	-.0347	.0026	.0441	.0836	-.0026	-.0368	0.
.1530	0.	0.	0.	0.	0.	0.	-.0177	-.0066	.0307	.0898	.0414	-.0358	0.
.1540	0.	0.	0.	0.	0.	0.	-.0000	-.0136	.0164	.0906	.0641	-.0246	0.
.1550	0.	0.	0.	0.	0.	0.	.0184	-.0185	.0010	.0875	.0712	-.0056	0.
.1560	0.	0.	0.	0.	0.	0.	.0336	-.0218	-.0171	.0840	.0973	.0151	0.
.1570	0.	0.	0.	0.	0.	0.	.0508	-.0240	-.0357	.0823	.1180	.0318	0.
.1580	0.	0.	0.	0.	0.	0.	.0676	-.0250	-.0551	.0799	.1513	.0462	0.
.1590	0.	0.	0.	0.	0.	0.	.0809	-.0250	-.0755	.0723	.2116	.0658	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

.1480	0.	0.	0.	0.	0.	0.	-.1008	.0591	.0681	.0285	-.1094	-.0090	0.
.1490	0.	0.	0.	0.	0.	0.	-.0876	.0423	.0667	.0499	-.1007	-.0210	0.
.1500	0.	0.	0.	0.	0.	0.	-.0706	.0273	.0626	.0633	-.0829	-.0257	0.
.1510	0.	0.	0.	0.	0.	0.	-.0535	.0140	.0547	.0738	-.0435	-.0313	0.
.1520	0.	0.	0.	0.	0.	0.	-.0347	.0026	.0441	.0836	-.0026	-.0368	0.
.1530	0.	0.	0.	0.	0.	0.	-.0177	-.0066	.0307	.0898	.0414	-.0358	0.
.1540	0.	0.	0.	0.	0.	0.	-.0000	-.0136	.0164	.0906	.0641	-.0246	0.
.1550	0.	0.	0.	0.	0.	0.	.0184	-.0185	.0010	.0875	.0712	-.0056	0.
.1560	0.	0.	0.	0.	0.	0.	.0336	-.0218	-.0171	.0840	.0973	.0151	0.
.1570	0.	0.	0.	0.	0.	0.	.0508	-.0240	-.0357	.0823	.1180	.0318	0.
.1580	0.	0.	0.	0.	0.	0.	.0676	-.0250	-.0551	.0799	.1513	.0462	0.
.1590	0.	0.	0.	0.	0.	0.	.0809	-.0250	-.0755	.0723	.2116	.0658	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 17 MEMBER 2 SEQUENCE 853 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)
.1600	0.	0.	0.	0.	0.	0.	.0930	-.0243	-.0936	.0587	.2683	.0929	0.
.1610	0.	0.	0.	0.	0.	0.	.1036	-.0238	-.1078	.0434	.3111	.1180	0.
.1620	0.	0.	0.	0.	0.	0.	.1075	-.0240	-.1177	.0315	.3485	.1314	0.
.1630	0.	0.	0.	0.	0.	0.	.1094	-.0255	-.1202	.0264	.3424	.1309	0.
.1640	0.	0.	0.	0.	0.	0.	.1075	-.0280	-.1157	.0257	.3010	.1209	0.
.1650	0.	0.	0.	0.	0.	0.	.0997	-.0309	-.1061	.0255	.2485	.1076	0.
.1660	0.	0.	0.	0.	0.	0.	.0907	-.0337	-.0916	.0244	.1746	.0970	0.
.1670	0.	0.	0.	0.	0.	0.	.0789	-.0361	-.0748	.0229	.1068	.0899	0.
.1680	0.	0.	0.	0.	0.	0.	.0671	-.0382	-.0572	.0232	.0518	.0806	0.
.1690	0.	0.	0.	0.	0.	0.	.0540	-.0398	-.0404	.0252	.0195	.0690	0.
.1700	0.	0.	0.	0.	0.	0.	.0414	-.0408	-.0237	.0272	-.0092	.0622	0.
.1710	0.	0.	0.	0.	0.	0.	.0324	-.0413	-.0066	.0286	-.0521	.0631	0.
.1720	0.	0.	0.	0.	0.	0.	.0209	-.0418	.0076	.0305	-.0706	.0661	0.
.1730	0.	0.	0.	0.	0.	0.	.0118	-.0429	.0202	.0359	-.0905	.0641	0.
.1740	0.	0.	0.	0.	0.	0.	.0049	-.0449	.0313	.0455	-.1129	.0557	0.
.1750	0.	0.	0.	0.	0.	0.	-.0022	-.0478	.0393	.0580	-.1166	.0422	0.
.1760	0.	0.	0.	0.	0.	0.	-.0066	-.0516	.0449	.0714	-.1089	.0253	0.
.1770	0.	0.	0.	0.	0.	0.	-.0111	-.0560	.0477	.0833	-.0771	.0073	0.
.1780	0.	0.	0.	0.	0.	0.	-.0134	-.0607	.0494	.0932	-.0385	-.0125	0.
.1790	0.	0.	0.	0.	0.	0.	-.0168	-.0655	.0504	.1008	.0121	-.0351	0.
.1800	0.	0.	0.	0.	0.	0.	-.0225	-.0701	.0525	.1061	.0574	-.0590	0.
.1810	0.	0.	0.	0.	0.	0.	-.0274	-.0742	.0583	.1094	.0644	-.0807	0.
.1820	0.	0.	0.	0.	0.	0.	-.0365	-.0774	.0661	.1096	.0590	-.0978	0.
.1830	0.	0.	0.	0.	0.	0.	-.0474	-.0796	.0761	.1061	.0331	-.1095	0.
.1840	0.	0.	0.	0.	0.	0.	-.0591	-.0806	.0880	.0982	-.0139	-.1138	0.
.1850	0.	0.	0.	0.	0.	0.	-.0715	-.0806	.1000	.0870	-.0678	-.1101	0.
.1860	0.	0.	0.	0.	0.	0.	-.0822	-.0801	.1109	.0760	-.1204	-.1014	0.
.1870	0.	0.	0.	0.	0.	0.	-.0930	-.0794	.1180	.0667	-.1489	-.0902	0.
.1880	0.	0.	0.	0.	0.	0.	-.1003	-.0791	.1219	.0592	-.1679	-.0776	0.
.1890	0.	0.	0.	0.	0.	0.	-.1050	-.0795	.1218	.0539	-.1714	-.0650	0.
.1900	0.	0.	0.	0.	0.	0.	-.1082	-.0808	.1175	.0522	-.1588	-.0549	0.
.1910	0.	0.	0.	0.	0.	0.	-.1069	-.0832	.1110	.0560	-.1539	-.0486	0.
.1920	0.	0.	0.	0.	0.	0.	-.1032	-.0864	.1019	.0640	-.1476	-.0468	0.
.1930	0.	0.	0.	0.	0.	0.	-.0965	-.0899	.0904	.0738	-.1381	-.0488	0.
.1940	0.	0.	0.	0.	0.	0.	-.0861	-.0931	.0772	.0824	-.1268	-.0513	0.
.1950	0.	0.	0.	0.	0.	0.	-.0723	-.0952	.0622	.0861	-.1074	-.0488	0.
.1960	0.	0.	0.	0.	0.	0.	-.0561	-.0958	.0459	.0828	-.0752	-.0380	0.
.1970	0.	0.	0.	0.	0.	0.	-.0375	-.0950	.0290	.0733	-.0360	-.0206	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

.1870	0.	0.	0.	0.	0.	0.	-.0930	-.0794	.1180	.0667	-.1489	-.0902	0.
.1880	0.	0.	0.	0.	0.	0.	-.1003	-.0791	.1219	.0592	-.1679	-.0776	0.
.1890	0.	0.	0.	0.	0.	0.	-.1050	-.0795	.1218	.0539	-.1714	-.0650	0.
.1900	0.	0.	0.	0.	0.	0.	-.1082	-.0808	.1175	.0522	-.1588	-.0549	0.
.1910	0.	0.	0.	0.	0.	0.	-.1069	-.0832	.1110	.0560	-.1539	-.0486	0.
.1920	0.	0.	0.	0.	0.	0.	-.1032	-.0864	.1019	.0640	-.1476	-.0468	0.
.1930	0.	0.	0.	0.	0.	0.	-.0965	-.0899	.0904	.0738	-.1381	-.0488	0.
.1940	0.	0.	0.	0.	0.	0.	-.0861	-.0931	.0772	.0824	-.1268	-.0513	0.
.1950	0.	0.	0.	0.	0.	0.	-.0723	-.0952	.0622	.0861	-.1074	-.0488	0.
.1960	0.	0.	0.	0.	0.	0.	-.0561	-.0958	.0459	.0828	-.0752	-.0380	0.
.1970	0.	0.	0.	0.	0.	0.	-.0375	-.0950	.0290	.0733	-.0360	-.0206	0.

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

CONDITION 24
LOADS
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ENGLISH UNITS

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

SECTION 17 MEMBER 2 SEQUENCE 853 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)
.1980	0.	0.	0.	0.	0.	0.	-.0170	-.0930	.0128	.0606	.0043	-.0012	0.
.1990	0.	0.	0.	0.	0.	0.	.0040	-.0904	-.0021	.0468	.0435	.0176	0.
.2000	0.	0.	0.	0.	0.	0.	.0246	-.0876	-.0150	.0324	.0746	.0365	0.
.2010	0.	0.	0.	0.	0.	0.	.0444	-.0853	-.0250	.0186	.0895	.0559	0.
.2020	0.	0.	0.	0.	0.	0.	.0627	-.0842	-.0325	.0078	.0904	.0735	0.
.2030	0.	0.	0.	0.	0.	0.	.0790	-.0850	-.0381	.0034	.0851	.0844	0.
.2040	0.	0.	0.	0.	0.	0.	.0936	-.0881	-.0423	.0072	.0786	.0846	0.
.2050	0.	0.	0.	0.	0.	0.	.1069	-.0937	-.0458	.0186	.0764	.0745	0.
.2060	0.	0.	0.	0.	0.	0.	.1184	-.1015	-.0492	.0349	.0852	.0587	0.
.2070	0.	0.	0.	0.	0.	0.	.1279	-.1110	-.0525	.0540	.1037	.0400	0.
.2080	0.	0.	0.	0.	0.	0.	.1357	-.1219	-.0550	.0765	.1234	.0163	0.
.2090	0.	0.	0.	0.	0.	0.	.1413	-.1335	-.0562	.1033	.1397	-.0156	0.
.2100	0.	0.	0.	0.	0.	0.	.1440	-.1451	-.0560	.1330	.1506	-.0541	0.
.2110	0.	0.	0.	0.	0.	0.	.1438	-.1554	-.0539	.1616	.1506	-.0927	0.
.2120	0.	0.	0.	0.	0.	0.	.1412	-.1633	-.0498	.1843	.1373	-.1248	0.
.2130	0.	0.	0.	0.	0.	0.	.1361	-.1679	-.0443	.1988	.1164	-.1469	0.
.2140	0.	0.	0.	0.	0.	0.	.1289	-.1686	-.0379	.2047	.0943	-.1593	0.
.2150	0.	0.	0.	0.	0.	0.	.1203	-.1653	-.0311	.2022	.0738	-.1630	0.
.2160	0.	0.	0.	0.	0.	0.	.1104	-.1580	-.0243	.1909	.0570	-.1575	0.
.2170	0.	0.	0.	0.	0.	0.	.0993	-.1471	-.0178	.1709	.0445	-.1417	0.
.2180	0.	0.	0.	0.	0.	0.	.0872	-.1333	-.0117	.1439	.0335	-.1164	0.
.2190	0.	0.	0.	0.	0.	0.	.0744	-.1176	-.0059	.1133	.0215	-.0865	0.
.2200	0.	0.	0.	0.	0.	0.	.0608	-.1009	-.0004	.0830	.0092	-.0577	0.
.2210	0.	0.	0.	0.	0.	0.	.0469	-.0842	.0046	.0554	-.0029	-.0328	0.
.2220	0.	0.	0.	0.	0.	0.	.0329	-.0682	.0091	.0315	.0141	-.0113	0.
.2230	0.	0.	0.	0.	0.	0.	.0189	-.0532	.0129	.0112	-.0213	.0080	0.
.2240	0.	0.	0.	0.	0.	0.	.0050	-.0395	.0158	-.0060	-.0214	.0256	0.
.2250	0.	0.	0.	0.	0.	0.	-.0089	-.0275	.0182	-.0197	-.0155	.0401	0.
.2260	0.	0.	0.	0.	0.	0.	-.0228	-.0174	.0205	-.0291	-.0064	.0501	0.
.2270	0.	0.	0.	0.	0.	0.	-.0369	-.0092	.0232	-.0340	.0026	.0551	0.
.2280	0.	0.	0.	0.	0.	0.	-.0512	-.0029	.0271	-.0355	.0055	.0565	0.
.2290	0.	0.	0.	0.	0.	0.	-.0657	.0018	.0325	-.0348	-.0030	.0549	0.
.2300	0.	0.	0.	0.	0.	0.	-.0801	.0049	.0396	-.0320	-.0234	.0494	0.
.2310	0.	0.	0.	0.	0.	0.	-.0942	.0068	.0480	-.0269	-.0534	.0386	0.
.2320	0.	0.	0.	0.	0.	0.	-.1070	.0076	.0573	-.0196	-.0905	.0226	0.
.2330	0.	0.	0.	0.	0.	0.	-.1179	.0081	.0666	-.0115	-.1294	.0037	0.
.2340	0.	0.	0.	0.	0.	0.	-.1263	.0086	.0749	-.0048	-.1636	-.0153	0.
.2350	0.	0.	0.	0.	0.	0.	-.1315	.0097	.0814	-.0013	-.1901	-.0319	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

.2240	0.	0.	0.	0.	0.	0.	-.0050	-.0395	.0158	-.0060	-.0214	.0258	0.
.2250	0.	0.	0.	0.	0.	0.	-.0089	-.0275	.0182	-.0197	-.0155	.0401	0.
.2260	0.	0.	0.	0.	0.	0.	-.0228	-.0174	.0205	-.0291	-.0064	.0501	0.
.2270	0.	0.	0.	0.	0.	0.	-.0369	-.0092	.0232	-.0340	.0026	.0551	0.
.2280	0.	0.	0.	0.	0.	0.	-.0512	-.0029	.0271	-.0355	.0055	.0565	0.
.2290	0.	0.	0.	0.	0.	0.	-.0657	.0018	.0325	-.0348	-.0030	.0549	0.
.2300	0.	0.	0.	0.	0.	0.	-.0801	.0049	.0396	-.0320	-.0234	.0494	0.
.2310	0.	0.	0.	0.	0.	0.	-.0942	.0068	.0480	-.0269	-.0534	.0386	0.
.2320	0.	0.	0.	0.	0.	0.	-.1070	.0076	.0573	-.0196	-.0905	.0226	0.
.2330	0.	0.	0.	0.	0.	0.	-.1179	.0081	.0666	-.0115	-.1294	.0037	0.
.2340	0.	0.	0.	0.	0.	0.	-.1263	.0086	.0749	-.0048	-.1636	-.0153	0.
.2350	0.	0.	0.	0.	0.	0.	-.1315	.0097	.0814	-.0013	-.1901	-.0319	0.

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 17 MEMBER 2 SEQUENCE 853 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)
.2360	0.	0.	0.	0.	0.	0.	-.1331	.0117	.0855	-.0013	-.2082	-.0454	0.
.2370	0.	0.	0.	0.	0.	0.	-.1309	.0148	.0867	-.0041	-.2167	-.0560	0.
.2380	0.	0.	0.	0.	0.	0.	-.1250	.0191	.0845	-.0089	-.2152	-.0640	0.
.2390	0.	0.	0.	0.	0.	0.	-.1155	.0246	.0790	-.0155	-.2053	-.0687	0.
.2400	0.	0.	0.	0.	0.	0.	-.1028	.0311	.0701	-.0240	-.1870	-.0694	0.
.2410	0.	0.	0.	0.	0.	0.	-.0874	.0384	.0580	-.0337	-.1580	-.0664	0.
.2420	0.	0.	0.	0.	0.	0.	-.0697	.0463	.0430	-.0433	-.1186	-.0603	0.
.2430	0.	0.	0.	0.	0.	0.	-.0505	.0545	.0259	-.0516	-.0710	-.0524	0.
.2440	0.	0.	0.	0.	0.	0.	-.0306	.0626	.0076	-.0582	-.0182	-.0437	0.
.2450	0.	0.	0.	0.	0.	0.	-.0111	.0703	-.0107	-.0632	.0350	-.0347	0.
.2460	0.	0.	0.	0.	0.	0.	.0073	.0775	-.0279	-.0668	.0815	-.0258	0.
.2470	0.	0.	0.	0.	0.	0.	.0235	.0841	-.0428	-.0691	.1158	-.0175	0.
.2480	0.	0.	0.	0.	0.	0.	.0370	.0900	-.0550	-.0703	.1358	-.0106	0.
.2490	0.	0.	0.	0.	0.	0.	.0472	.0952	-.0640	-.0705	.1400	-.0055	0.
.2500	0.	0.	0.	0.	0.	0.	.0545	.1000	-.0699	-.0702	.1287	-.0024	0.
.2510	0.	0.	0.	0.	0.	0.	.0589	.1046	-.0731	-.0701	.1063	-.0007	0.
.2520	0.	0.	0.	0.	0.	0.	.0609	.1093	-.0745	-.0711	.0795	.0009	0.
.2530	0.	0.	0.	0.	0.	0.	.0610	.1145	-.0748	-.0743	.0528	.0042	0.
.2540	0.	0.	0.	0.	0.	0.	.0599	.1204	-.0747	-.0799	.0296	.0099	0.
.2550	0.	0.	0.	0.	0.	0.	.0579	.1271	-.0748	-.0876	.0129	.0179	0.
.2560	0.	0.	0.	0.	0.	0.	.0553	.1346	-.0755	-.0971	.0037	.0276	0.
.2570	0.	0.	0.	0.	0.	0.	.0525	.1429	-.0769	-.1087	.0012	.0395	0.
.2580	0.	0.	0.	0.	0.	0.	.0495	.1516	-.0791	-.1224	.0044	.0536	0.
.2590	0.	0.	0.	0.	0.	0.	.0463	.1604	-.0819	-.1375	.0126	.0692	0.
.2600	0.	0.	0.	0.	0.	0.	.0431	.1690	-.0850	-.1522	.0245	.0840	0.
.2610	0.	0.	0.	0.	0.	0.	.0396	.1769	-.0882	-.1649	.0398	.0954	0.
.2620	0.	0.	0.	0.	0.	0.	.0357	.1837	-.0911	-.1747	.0584	.1021	0.
.2630	0.	0.	0.	0.	0.	0.	.0310	.1893	-.0932	-.1818	.0784	.1044	0.
.2640	0.	0.	0.	0.	0.	0.	.0254	.1936	-.0940	-.1864	.0965	.1035	0.
.2650	0.	0.	0.	0.	0.	0.	.0185	.1966	-.0930	-.1882	.1100	.0992	0.
.2660	0.	0.	0.	0.	0.	0.	.0103	.1984	-.0898	-.1870	.1161	.0906	0.
.2670	0.	0.	0.	0.	0.	0.	.0006	.1991	-.0842	-.1835	.1119	.0779	0.
.2680	0.	0.	0.	0.	0.	0.	-.0103	.1991	-.0762	-.1790	.0966	.0630	0.
.2690	0.	0.	0.	0.	0.	0.	-.0222	.1988	-.0661	-.1751	.0724	.0486	0.
.2700	0.	0.	0.	0.	0.	0.	-.0345	.1984	-.0546	-.1724	.0427	.0364	0.
.2710	0.	0.	0.	0.	0.	0.	-.0468	.1980	-.0424	-.1710	.0118	.0269	0.
.2720	0.	0.	0.	0.	0.	0.	-.0585	.1979	-.0302	-.1706	-.0157	.0199	0.
.2730	0.	0.	0.	0.	0.	0.	-.0695	.1978	-.0186	-.1707	-.0371	.0153	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

.2620	0.	0.	0.	0.	0.	0.	.0397	.1837	-.0911	-.1747	.0584	.1021	0.
.2630	0.	0.	0.	0.	0.	0.	.0310	.1893	-.0932	-.1818	.0784	.1044	0.
.2640	0.	0.	0.	0.	0.	0.	.0254	.1936	-.0940	-.1864	.0965	.1035	0.
.2650	0.	0.	0.	0.	0.	0.	.0185	.1966	-.0930	-.1882	.1100	.0992	0.
.2660	0.	0.	0.	0.	0.	0.	.0103	.1984	-.0898	-.1870	.1161	.0906	0.
.2670	0.	0.	0.	0.	0.	0.	.0006	.1991	-.0842	-.1835	.1119	.0779	0.
.2680	0.	0.	0.	0.	0.	0.	-.0103	.1991	-.0762	-.1790	.0966	.0630	0.
.2690	0.	0.	0.	0.	0.	0.	-.0222	.1988	-.0661	-.1751	.0724	.0486	0.
.2700	0.	0.	0.	0.	0.	0.	-.0345	.1984	-.0546	-.1724	.0427	.0364	0.
.2710	0.	0.	0.	0.	0.	0.	-.0468	.1980	-.0424	-.1710	.0118	.0269	0.
.2720	0.	0.	0.	0.	0.	0.	-.0585	.1979	-.0302	-.1706	-.0157	.0199	0.
.2730	0.	0.	0.	0.	0.	0.	-.0695	.1978	-.0186	-.1707	-.0371	.0153	0.

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 17 MEMBER 2 SEQUENCE 853 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)
.2740	0.	0.	0.	0.	0.	0.	-.0793	.1976	-.0078	-.1712	-.0532	.0134	0.
.2750	0.	0.	0.	0.	0.	0.	-.0879	.1973	.0020	-.1712	-.0655	.0136	0.
.2760	0.	0.	0.	0.	0.	0.	-.0953	.1966	.0107	-.1696	-.0754	.0143	0.
.2770	0.	0.	0.	0.	0.	0.	-.1015	.1953	.0183	-.1660	-.0852	.0143	0.
.2780	0.	0.	0.	0.	0.	0.	-.1063	.1933	.0250	-.1608	-.0961	.0140	0.
.2790	0.	0.	0.	0.	0.	0.	-.1099	.1907	.0305	-.1547	-.1069	.0146	0.
.2800	0.	0.	0.	0.	0.	0.	-.1122	.1875	.0347	-.1484	-.1160	.0169	0.
.2810	0.	0.	0.	0.	0.	0.	-.1131	.1838	.0376	-.1422	-.1226	.0208	0.
.2820	0.	0.	0.	0.	0.	0.	-.1124	.1794	.0392	-.1363	-.1259	.0260	0.
.2830	0.	0.	0.	0.	0.	0.	-.1103	.1744	.0395	-.1308	-.1256	.0317	0.
.2840	0.	0.	0.	0.	0.	0.	-.1066	.1686	.0386	-.1252	-.1234	.0372	0.
.2850	0.	0.	0.	0.	0.	0.	-.1014	.1621	.0368	-.1191	-.1209	.0419	0.
.2860	0.	0.	0.	0.	0.	0.	-.0948	.1547	.0341	-.1125	-.1184	.0455	0.
.2870	0.	0.	0.	0.	0.	0.	-.0870	.1465	.0305	-.1058	-.1148	.0483	0.
.2880	0.	0.	0.	0.	0.	0.	-.0780	.1375	.0259	-.0990	-.1088	.0503	0.
.2890	0.	0.	0.	0.	0.	0.	-.0678	.1277	.0202	-.0920	-.0982	.0515	0.
.2900	0.	0.	0.	0.	0.	0.	-.0568	.1173	.0134	-.0851	-.0810	.0525	0.
.2910	0.	0.	0.	0.	0.	0.	-.0451	.1064	.0058	-.0784	-.0571	.0539	0.
.2920	0.	0.	0.	0.	0.	0.	-.0331	.0948	-.0022	-.0719	-.0283	.0555	0.
.2930	0.	0.	0.	0.	0.	0.	-.0211	.0826	-.0101	-.0647	.0027	.0566	0.
.2940	0.	0.	0.	0.	0.	0.	-.0095	.0698	-.0174	-.0563	.0322	.0567	0.
.2950	0.	0.	0.	0.	0.	0.	.0013	.0563	-.0234	-.0459	.0567	.0552	0.
.2960	0.	0.	0.	0.	0.	0.	.0111	.0424	-.0279	-.0337	.0739	.0523	0.
.2970	0.	0.	0.	0.	0.	0.	.0198	.0280	-.0308	-.0197	.0837	.0485	0.
.2980	0.	0.	0.	0.	0.	0.	.0273	.0133	-.0321	-.0047	.0872	.0444	0.
.2990	0.	0.	0.	0.	0.	0.	.0336	-.0014	-.0321	.0109	.0864	.0405	0.
.3000	0.	0.	0.	0.	0.	0.	.0394	-.0160	-.0313	.0267	.0837	.0367	0.
.3010	0.	0.	0.	0.	0.	0.	.0444	-.0303	-.0300	.0427	.0812	.0329	0.
.3020	0.	0.	0.	0.	0.	0.	.0488	-.0442	-.0285	.0584	.0796	.0294	0.
.3030	0.	0.	0.	0.	0.	0.	.0528	-.0575	-.0270	.0735	.0793	.0266	0.
.3040	0.	0.	0.	0.	0.	0.	.0564	-.0700	-.0258	.0878	.0803	.0243	0.
.3050	0.	0.	0.	0.	0.	0.	.0597	-.0816	-.0247	.1014	.0823	.0221	0.
.3060	0.	0.	0.	0.	0.	0.	.0627	-.0922	-.0240	.1143	.0855	.0202	0.
.3070	0.	0.	0.	0.	0.	0.	.0652	-.1015	-.0234	.1256	.0903	.0191	0.
.3080	0.	0.	0.	0.	0.	0.	.0672	-.1095	-.0230	.1344	.0971	.0197	0.
.3090	0.	0.	0.	0.	0.	0.	.0686	-.1160	-.0225	.1402	.1054	.0224	0.
.3100	0.	0.	0.	0.	0.	0.	.0691	-.1211	-.0216	.1427	.1144	.0272	0.
.3110	0.	0.	0.	0.	0.	0.	.0685	-.1250	-.0199	.1419	.1223	.0337	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

.3000	0.	0.	0.	0.	0.	0.	.0394	-.0160	-.0313	.0267	.0837	.0367	0.
.3010	0.	0.	0.	0.	0.	0.	.0444	-.0303	-.0300	.0427	.0812	.0329	0.
.3020	0.	0.	0.	0.	0.	0.	.0488	-.0442	-.0285	.0584	.0796	.0294	0.
.3030	0.	0.	0.	0.	0.	0.	.0528	-.0575	-.0270	.0735	.0793	.0266	0.
.3040	0.	0.	0.	0.	0.	0.	.0564	-.0700	-.0258	.0878	.0803	.0243	0.
.3050	0.	0.	0.	0.	0.	0.	.0597	-.0816	-.0247	.1014	.0823	.0221	0.
.3060	0.	0.	0.	0.	0.	0.	.0627	-.0922	-.0240	.1143	.0855	.0202	0.
.3070	0.	0.	0.	0.	0.	0.	.0652	-.1015	-.0234	.1256	.0903	.0191	0.
.3080	0.	0.	0.	0.	0.	0.	.0672	-.1095	-.0230	.1344	.0971	.0197	0.
.3090	0.	0.	0.	0.	0.	0.	.0686	-.1160	-.0225	.1402	.1054	.0224	0.
.3100	0.	0.	0.	0.	0.	0.	.0691	-.1211	-.0216	.1427	.1144	.0272	0.
.3110	0.	0.	0.	0.	0.	0.	.0685	-.1250	-.0199	.1419	.1223	.0337	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 17 MEMBER 2 SEQUENCE 853 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)
.3120	0.	0.	0.	0.	0.	0.	.0665	-.1278	-.0170	.1383	.1267	.0414	0.
.3130	0.	0.	0.	0.	0.	0.	.0629	-.1300	-.0126	.1326	.1249	.0494	0.
.3140	0.	0.	0.	0.	0.	0.	.0576	-.1320	-.0065	.1260	.1155	.0565	0.
.3150	0.	0.	0.	0.	0.	0.	.0506	-.1341	.0013	.1195	.0978	.0610	0.
.3160	0.	0.	0.	0.	0.	0.	.0421	-.1368	.0107	.1145	.0725	.0617	0.
.3170	0.	0.	0.	0.	0.	0.	.0324	-.1404	.0211	.1118	.0420	.0578	0.
.3180	0.	0.	0.	0.	0.	0.	.0220	-.1451	.0320	.1118	.0091	.0488	0.
.3190	0.	0.	0.	0.	0.	0.	.0113	-.1507	.0430	.1146	-.0231	.0350	0.
.3200	0.	0.	0.	0.	0.	0.	.0009	-.1573	.0534	.1197	-.0523	.0170	0.
.3210	0.	0.	0.	0.	0.	0.	-.0088	-.1644	.0627	.1269	-.0764	-.0039	0.
.3220	0.	0.	0.	0.	0.	0.	-.0175	-.1718	.0707	.1354	-.0947	-.0265	0.
.3230	0.	0.	0.	0.	0.	0.	-.0249	-.1790	.0772	.1443	-.1074	-.0493	0.
.3240	0.	0.	0.	0.	0.	0.	-.0308	-.1856	.0821	.1529	-.1150	-.0711	0.
.3250	0.	0.	0.	0.	0.	0.	-.0351	-.1913	.0854	.1604	-.1176	-.0906	0.
.3260	0.	0.	0.	0.	0.	0.	-.0377	-.1955	.0873	.1661	-.1161	-.1064	0.
.3270	0.	0.	0.	0.	0.	0.	-.0387	-.1981	.0879	.1692	-.1111	-.1176	0.
.3280	0.	0.	0.	0.	0.	0.	-.0382	-.1990	.0874	.1693	-.1030	-.1237	0.
.3290	0.	0.	0.	0.	0.	0.	-.0364	-.1981	.0860	.1663	-.0925	-.1249	0.
.3300	0.	0.	0.	0.	0.	0.	-.0334	-.1957	.0840	.1604	-.0810	-.1216	0.
.3310	0.	0.	0.	0.	0.	0.	-.0294	-.1918	.0816	.1520	-.0700	-.1143	0.
.3320	0.	0.	0.	0.	0.	0.	-.0249	-.1870	.0791	.1416	-.0608	-.1038	0.
.3330	0.	0.	0.	0.	0.	0.	-.0199	-.1815	.0765	.1301	-.0550	-.0914	0.
.3340	0.	0.	0.	0.	0.	0.	-.0145	-.1759	.0739	.1189	-.0531	-.0789	0.
.3350	0.	0.	0.	0.	0.	0.	-.0089	-.1705	.0711	.1090	-.0545	-.0676	0.
.3360	0.	0.	0.	0.	0.	0.	-.0030	-.1656	.0678	.1011	-.0577	-.0582	0.
.3370	0.	0.	0.	0.	0.	0.	.0031	-.1614	.0639	.0954	-.0609	-.0510	0.
.3380	0.	0.	0.	0.	0.	0.	.0097	-.1579	.0589	.0921	-.0619	-.0461	0.
.3390	0.	0.	0.	0.	0.	0.	.0166	-.1551	.0526	.0911	-.0589	-.0435	0.
.3400	0.	0.	0.	0.	0.	0.	.0239	-.1528	.0449	.0919	-.0510	-.0431	0.
.3410	0.	0.	0.	0.	0.	0.	.0316	-.1507	.0361	.0938	-.0384	-.0442	0.
.3420	0.	0.	0.	0.	0.	0.	.0394	-.1486	.0261	.0957	-.0220	-.0457	0.
.3430	0.	0.	0.	0.	0.	0.	.0473	-.1462	.0155	.0967	-.0035	-.0468	0.
.3440	0.	0.	0.	0.	0.	0.	.0550	-.1431	.0047	.0961	.0152	-.0469	0.
.3450	0.	0.	0.	0.	0.	0.	.0625	-.1394	-.0059	.0934	.0330	-.0461	0.
.3460	0.	0.	0.	0.	0.	0.	.0696	-.1347	-.0158	.0884	.0488	-.0443	0.
.3470	0.	0.	0.	0.	0.	0.	.0760	-.1291	-.0249	.0808	.0618	-.0412	0.
.3480	0.	0.	0.	0.	0.	0.	.0818	-.1227	-.0327	.0709	.0718	-.0371	0.
.3490	0.	0.	0.	0.	0.	0.	.0868	-.1155	-.0392	.0592	.0788	-.0323	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

.3380	0.	0.	0.	0.	0.	0.	.0084	-.1579	.0589	.0921	-.0519	-.0481	0.
.3390	0.	0.	0.	0.	0.	0.	.0166	-.1551	.0526	.0911	-.0589	-.0435	0.
.3400	0.	0.	0.	0.	0.	0.	.0239	-.1528	.0449	.0919	-.0510	-.0431	0.
.3410	0.	0.	0.	0.	0.	0.	.0316	-.1507	.0361	.0938	-.0384	-.0442	0.
.3420	0.	0.	0.	0.	0.	0.	.0394	-.1486	.0261	.0957	-.0220	-.0457	0.
.3430	0.	0.	0.	0.	0.	0.	.0473	-.1462	.0155	.0967	-.0035	-.0468	0.
.3440	0.	0.	0.	0.	0.	0.	.0550	-.1431	.0047	.0961	.0152	-.0469	0.
.3450	0.	0.	0.	0.	0.	0.	.0625	-.1394	-.0059	.0934	.0330	-.0461	0.
.3460	0.	0.	0.	0.	0.	0.	.0696	-.1347	-.0158	.0884	.0488	-.0443	0.
.3470	0.	0.	0.	0.	0.	0.	.0760	-.1291	-.0249	.0808	.0618	-.0412	0.
.3480	0.	0.	0.	0.	0.	0.	.0818	-.1227	-.0327	.0709	.0718	-.0371	0.
.3490	0.	0.	0.	0.	0.	0.	.0868	-.1155	-.0392	.0592	.0788	-.0323	0.

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

CONDITION 24
LOADS
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ENGLISH UNITS

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

SECTION 17 MEMBER 2 SEQUENCE 853 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)
.3500	0.	0.	0.	0.	0.	0.	.0908	-.1079	-.0443	.0464	.0826	-.0279	0.
.3510	0.	0.	0.	0.	0.	0.	.0938	-.1000	-.0480	.0336	.0832	-.0244	0.
.3520	0.	0.	0.	0.	0.	0.	.0958	-.0921	-.0504	.0214	.0810	-.0222	0.
.3530	0.	0.	0.	0.	0.	0.	.0967	-.0845	-.0516	.0106	.0763	-.0216	0.
.3540	0.	0.	0.	0.	0.	0.	.0966	-.0771	-.0519	.0018	.0700	-.0228	0.
.3550	0.	0.	0.	0.	0.	0.	.0956	-.0702	-.0514	-.0046	.0535	-.0259	0.
.3560	0.	0.	0.	0.	0.	0.	.0936	-.0637	-.0504	-.0084	.0581	-.0308	0.
.3570	0.	0.	0.	0.	0.	0.	.0907	-.0577	-.0489	-.0098	.0545	-.0369	0.
.3580	0.	0.	0.	0.	0.	0.	.0870	-.0518	-.0471	-.0092	.0530	-.0437	0.
.3590	0.	0.	0.	0.	0.	0.	.0823	-.0461	-.0449	-.0072	.0532	-.0506	0.
.3600	0.	0.	0.	0.	0.	0.	.0766	-.0402	-.0421	-.0044	.0539	-.0570	0.
.3610	0.	0.	0.	0.	0.	0.	.0699	-.0340	-.0386	-.0018	.0535	-.0623	0.
.3620	0.	0.	0.	0.	0.	0.	.0621	-.0272	-.0341	.0000	.0506	-.0660	0.
.3630	0.	0.	0.	0.	0.	0.	.0531	-.0198	-.0286	.0003	.0440	-.0675	0.
.3640	0.	0.	0.	0.	0.	0.	.0430	-.0116	-.0222	-.0015	.0332	-.0666	0.
.3650	0.	0.	0.	0.	0.	0.	.0319	-.0026	-.0148	-.0056	.0185	-.0631	0.
.3660	0.	0.	0.	0.	0.	0.	.0201	.0071	-.0069	-.0121	.0008	-.0569	0.
.3670	0.	0.	0.	0.	0.	0.	.0077	.0173	.0014	-.0207	-.0190	-.0483	0.
.3680	0.	0.	0.	0.	0.	0.	-.0049	.0278	.0097	-.0309	-.0396	-.0378	0.
.3690	0.	0.	0.	0.	0.	0.	-.0174	.0383	.0175	-.0418	-.0598	-.0263	0.
.3700	0.	0.	0.	0.	0.	0.	-.0295	.0485	.0246	-.0525	-.0785	-.0148	0.
.3710	0.	0.	0.	0.	0.	0.	-.0409	.0580	.0305	-.0625	-.0943	-.0042	0.
.3720	0.	0.	0.	0.	0.	0.	-.0512	.0666	.0350	-.0710	-.1063	.0049	0.
.3730	0.	0.	0.	0.	0.	0.	-.0603	.0741	.0379	-.0777	-.1135	.0122	0.
.3740	0.	0.	0.	0.	0.	0.	-.0679	.0804	.0391	-.0823	-.1151	.0174	0.
.3750	0.	0.	0.	0.	0.	0.	-.0739	.0855	.0387	-.0848	-.1108	.0203	0.
.3760	0.	0.	0.	0.	0.	0.	-.0784	.0894	.0368	-.0853	-.1012	.0212	0.
.3770	0.	0.	0.	0.	0.	0.	-.0815	.0924	.0338	-.0843	-.0875	.0207	0.
.3780	0.	0.	0.	0.	0.	0.	-.0832	.0945	.0300	-.0823	-.0716	.0196	0.
.3790	0.	0.	0.	0.	0.	0.	-.0837	.0961	.0258	-.0797	-.0554	.0181	0.
.3800	0.	0.	0.	0.	0.	0.	-.0832	.0973	.0216	-.0768	-.0408	.0165	0.
.3810	0.	0.	0.	0.	0.	0.	-.0818	.0984	.0177	-.0742	-.0290	.0152	0.
.3320	0.	0.	0.	0.	0.	0.	-.0796	.0995	.0143	-.0723	-.0207	.0153	0.
.3830	0.	0.	0.	0.	0.	0.	-.0768	.1008	.0113	-.0715	-.0157	.0173	0.
.3840	0.	0.	0.	0.	0.	0.	-.0732	.1025	.0087	-.0719	-.0131	.0217	0.
.3850	0.	0.	0.	0.	0.	0.	-.0690	.1044	.0063	-.0735	-.0120	.0280	0.
.3860	0.	0.	0.	0.	0.	0.	-.0640	.1066	.0039	-.0757	-.0112	.0360	0.
.3870	0.	0.	0.	0.	0.	0.	-.0583	.1088	.0013	-.0781	-.0100	.0453	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

.3770	0.	0.	0.	0.	0.	0.	-.0815	.0924	.0338	-.0843	-.0875	.0207	0.
.3780	0.	0.	0.	0.	0.	0.	-.0832	.0945	.0300	-.0823	-.0716	.0196	0.
.3790	0.	0.	0.	0.	0.	0.	-.0837	.0961	.0258	-.0797	-.0554	.0181	0.
.3800	0.	0.	0.	0.	0.	0.	-.0832	.0973	.0216	-.0768	-.0408	.0165	0.
.3810	0.	0.	0.	0.	0.	0.	-.0818	.0984	.0177	-.0742	-.0290	.0152	0.
.3820	0.	0.	0.	0.	0.	0.	-.0796	.0995	.0143	-.0723	-.0207	.0153	0.
.3830	0.	0.	0.	0.	0.	0.	-.0768	.1008	.0113	-.0715	-.0157	.0173	0.
.3840	0.	0.	0.	0.	0.	0.	-.0732	.1025	.0087	-.0719	-.0131	.0217	0.
.3850	0.	0.	0.	0.	0.	0.	-.0690	.1044	.0063	-.0735	-.0120	.0280	0.
.3860	0.	0.	0.	0.	0.	0.	-.0640	.1066	.0039	-.0757	-.0112	.0360	0.
.3870	0.	0.	0.	0.	0.	0.	-.0583	.1088	.0013	-.0781	-.0100	.0453	0.

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 17 MEMBER 2 SEQUENCE 853 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)
.3880	0.	0.	0.	0.	0.	0.	-.0519	.1109	-.0018	-.0804	-.0079	.0554	0.
.3890	0.	0.	0.	0.	0.	0.	-.0450	.1128	-.0053	-.0820	-.0045	.0654	0.
.3900	0.	0.	0.	0.	0.	0.	-.0375	.1143	-.0095	-.0822	.0005	.0746	0.
.3910	0.	0.	0.	0.	0.	0.	-.0297	.1153	-.0144	-.0809	.0074	.0826	0.
.3920	0.	0.	0.	0.	0.	0.	-.0216	.1157	-.0199	-.0781	.0164	.0894	0.
.3930	0.	0.	0.	0.	0.	0.	-.0134	.1156	-.0260	-.0742	.0275	.0952	0.
.3940	0.	0.	0.	0.	0.	0.	-.0054	.1150	-.0323	-.0695	.0405	.0998	0.
.3950	0.	0.	0.	0.	0.	0.	.0022	.1141	-.0387	-.0641	.0549	.1029	0.
.3960	0.	0.	0.	0.	0.	0.	.0092	.1128	-.0447	-.0584	.0593	.1047	0.
.3970	0.	0.	0.	0.	0.	0.	.0153	.1113	-.0502	-.0530	.0824	.1058	0.
.3980	0.	0.	0.	0.	0.	0.	.0203	.1098	-.0546	-.0484	.0926	.1067	0.
.3990	0.	0.	0.	0.	0.	0.	.0241	.1084	-.0578	-.0447	.0989	.1075	0.
.4000	0.	0.	0.	0.	0.	0.	.0265	.1071	-.0597	-.0419	.1011	.1080	0.

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)
0.0000	0.	0.	0.	0.	0.	0.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.

SECTION 17 MEMBER 2 SEQUENCE 853 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.	1.	4.	0.	0.	-0.	-.0000	.0000	-.0000	-.0000	-.0001	.0000	0.
.0020	-11.	8.	24.	0.	0.	0.	-.0001	.0000	-.0001	-.0001	-.0009	.0002	0.
.0030	-52.	12.	56.	0.	0.	-0.	-.0002	-.0000	-.0002	.0000	-.0024	.0003	0.
.0040	-115.	-3.	95.	-0.	0.	0.	-.0004	-.0000	-.0006	.0004	-.0045	-.0002	0.
.0050	-185.	-44.	134.	-0.	0.	0.	-.0006	.0000	-.0013	.0013	-.0066	-.0013	0.
.0060	-300.	-100.	137.	-0.	0.	0.	-.0009	.0001	-.0023	.0023	-.0081	-.0029	0.
.0070	-445.	-148.	137.	-0.	0.	-0.	-.0011	.0004	-.0040	.0029	-.0099	-.0043	0.
.0080	-580.	-181.	231.	-0.	0.	0.	-.0014	.0010	-.0062	.0032	-.0144	-.0053	0.
.0090	-821.	-251.	379.	-0.	0.	0.	-.0014	.0019	-.0092	.0037	-.0222	-.0072	0.
.0100	-1144.	-413.	559.	0.	0.	-0.	-.0008	.0034	-.0130	.0049	-.0321	-.0114	0.
.0110	-1360.	-648.	806.	-0.	0.	0.	.0010	.0055	-.0179	.0060	-.0420	-.0176	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

0.0000	0.	0.	0.	0.	0.	0.	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.
.0010	-0.	1.	4.	0.	0.	-0.	-.0000	.0000	-.0000	-.0000	-.0001	.0000	0.
.0020	-11.	8.	24.	0.	0.	0.	-.0001	.0000	-.0001	-.0001	-.0009	.0002	0.
.0030	-52.	12.	56.	0.	0.	-0.	-.0002	-.0000	-.0002	.0000	-.0024	.0003	0.
.0040	-115.	-3.	95.	-0.	0.	0.	-.0004	-.0000	-.0006	.0004	-.0045	-.0002	0.
.0050	-185.	-44.	134.	-0.	0.	0.	-.0006	.0000	-.0013	.0013	-.0066	-.0013	0.
.0060	-300.	-100.	137.	-0.	0.	0.	-.0009	.0001	-.0023	.0023	-.0081	-.0029	0.
.0070	-445.	-148.	137.	-0.	0.	-0.	-.0011	.0004	-.0040	.0029	-.0099	-.0043	0.
.0080	-580.	-181.	231.	-0.	0.	0.	-.0014	.0010	-.0062	.0032	-.0144	-.0053	0.
.0090	-821.	-251.	379.	-0.	0.	0.	-.0014	.0019	-.0092	.0037	-.0222	-.0072	0.
.0100	-1144.	-413.	559.	0.	0.	-0.	-.0008	.0034	-.0130	.0049	-.0321	-.0114	0.
.0110	-1360.	-648.	806.	-0.	0.	0.	.0010	.0055	-.0179	.0060	-.0420	-.0176	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 17 MEMBER 2 SEQUENCE 853 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)
.0120	-1461.	-866.	1008.	-0.	0.	0.	.0043	.0087	-.0241	.0051	-.0479	-.0229	0.
.0130	-1565.	-976.	960.	-0.	0.	0.	.0090	.0134	-.0318	.0002	-.0452	-.0249	0.
.0140	-1676.	-973.	531.	-0.	0.	0.	.0154	.0195	-.0407	-.0090	-.0302	-.0233	0.
.0150	-1758.	-886.	-297.	0.	0.	-0.	.0232	.0272	-.0500	-.0225	-.0022	-.0189	0.
.0160	-1997.	-700.	-1515.	0.	0.	0.	.0321	.0362	-.0584	-.0402	.0350	-.0114	0.
.0170	-1975.	-331.	-2576.	-0.	0.	0.	.0420	.0461	-.0643	-.0622	.0703	.0011	0.
.0180	-969.	276.	-2655.	-0.	0.	0.	.0527	.0563	-.0663	-.0874	.0892	.0202	0.
.0190	906.	1047.	-1429.	0.	0.	-0.	.0637	.0658	-.0639	-.1124	.0805	.0435	0.
.0200	3757.	1814.	1595.	-0.	0.	0.	.0751	.0737	-.0582	-.1319	.0312	.0664	0.
.0210	6350.	2207.	5499.	0.	-0.	-0.	.0877	.0787	-.0518	-.1389	-.0476	.0784	0.
.0220	5799.	1866.	7156.	-0.	-0.	0.	.1007	.0804	-.0496	-.1291	-.0994	.0692	0.
.0230	3951.	1064.	6529.	-0.	0.	0.	.1146	.0795	-.0538	-.1093	-.0944	.0456	0.
.0240	1531.	509.	3506.	0.	0.	0.	.1287	.0769	-.0648	-.0915	-.0215	.0271	0.
.0250	1742.	751.	490.	0.	0.	0.	.1432	.0735	-.0793	-.0838	.0912	.0287	0.
.0260	6132.	1556.	-483.	0.	-0.	0.	.1567	.0689	-.0930	-.0828	.2055	.0427	0.
.0270	6092.	1889.	-4155.	0.	0.	-0.	.1621	.0620	-.1045	-.0742	.3381	.0405	0.
.0280	2785.	1144.	-9178.	0.	0.	-0.	.1586	.0525	-.1091	-.0494	.4536	.0075	0.
.0290	5991.	10.	-8576.	0.	0.	-0.	.1512	.0412	-.1007	-.0183	.4768	-.0358	0.
.0300	4288.	-304.	-8316.	-0.	-0.	0.	.1315	.0299	-.0810	.0002	.4282	-.0572	0.
.0310	-3264.	259.	-9253.	0.	0.	-0.	.1001	.0190	-.0520	.0057	.3236	-.0548	0.
.0320	-2929.	675.	-4264.	-0.	0.	-0.	.0661	.0076	-.0136	.0156	.1457	-.0538	0.
.0330	207.	73.	2037.	0.	0.	0.	.0300	-.0047	.0274	.0416	-.0383	-.0760	0.
.0340	-4005.	-1021.	2590.	-0.	0.	-0.	-.0102	-.0170	.0628	.0710	-.1559	-.1089	0.
.0350	-7207.	-1253.	2560.	-0.	-0.	-0.	-.0482	-.0278	.0919	.0798	-.2355	-.1188	0.
.0360	-2885.	-256.	6192.	-0.	-0.	-0.	-.0785	-.0369	.1150	.0645	-.3080	-.0961	0.
.0370	-1849.	809.	6827.	-0.	-0.	0.	-.1052	-.0456	.1282	.0478	-.3285	-.0690	0.
.0380	-7426.	637.	2200.	-0.	-0.	-0.	-.1298	-.0554	.1305	.0515	-.2762	-.0713	0.
.0390	-6156.	-712.	735.	-0.	-0.	0.	-.1464	-.0660	.1271	.0703	-.2117	-.1039	0.
.0400	3625.	-1817.	4786.	-0.	-0.	0.	-.1539	-.0755	.1218	.0807	-.1874	-.1302	0.
.0410	2314.	-1658.	3121.	-0.	-0.	-0.	-.1627	-.0823	.1112	.0726	-.1479	-.1193	0.
.0420	-4089.	-797.	-1078.	-0.	-0.	-0.	-.1703	-.0866	.0979	.0600	-.1049	-.0828	0.
.0430	-1309.	-606.	947.	-0.	-0.	-0.	-.1681	-.0896	.0876	.0586	-.1153	-.0606	0.
.0440	3015.	-1573.	3801.	-0.	-0.	-0.	-.1603	-.0915	.0777	.0674	-.1301	-.0703	0.
.0450	350.	-2520.	1646.	-0.	-0.	-0.	-.1523	-.0909	.0648	.0704	-.0935	-.0797	0.
.0460	-2080.	-2021.	-1106.	-0.	-0.	0.	-.1415	-.0866	.0515	.0514	-.0332	-.0479	0.
.0470	1203.	-125.	-864.	-0.	-0.	0.	-.1259	-.0794	.0410	.0110	.0147	.0220	0.
.0480	3104.	1878.	-1554.	0.	-0.	-0.	-.1097	-.0723	.0334	-.0314	.0625	.0924	0.
.0490	828.	2890.	-4079.	-0.	-0.	0.	-.0955	-.0682	.0300	-.0543	.1022	.1330	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

.0390	-6156.	-712.	735.	-0.	-0.	0.	-.1464	-.0660	.1271	.0703	-.2117	-.1039	0.
.0400	3625.	-1817.	4786.	-0.	-0.	0.	-.1539	-.0755	.1218	.0807	-.1874	-.1302	0.
.0410	2314.	-1658.	3121.	-0.	-0.	-0.	-.1627	-.0823	.1112	.0726	-.1479	-.1193	0.
.0420	-4089.	-797.	-1073.	-0.	-0.	-0.	-.1703	-.0866	.0979	.0600	-.1049	-.0828	0.
.0430	-1309.	-606.	947.	-0.	-0.	-0.	-.1681	-.0896	.0876	.0586	-.1153	-.0606	0.
.0440	3015.	-1573.	3801.	-0.	-0.	-0.	-.1603	-.0915	.0777	.0674	-.1301	-.0703	0.
.0450	350.	-2520.	1646.	-0.	-0.	-0.	-.1523	-.0909	.0648	.0704	-.0935	-.0797	0.
.0460	-2080.	-2021.	-1106.	-0.	-0.	0.	-.1415	-.0866	.0515	.0514	-.0332	-.0479	0.
.0470	1203.	-125.	-864.	-0.	-0.	0.	-.1259	-.0794	.0410	.0110	.0147	.0220	0.
.0480	3104.	1878.	-1554.	0.	-0.	-0.	-.1097	-.0723	.0334	-.0314	.0625	.0924	0.
.0490	828.	2890.	-4079.	-0.	-0.	0.	-.0955	-.0682	.0300	-.0543	.1022	.1330	0.

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 17 MEMBER 2 SEQUENCE 853 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)
.0500	800.	2783.	-3860.	0.	-0.	-0.	-.0808	-.0684	.0337	-.0521	.0886	.1398	0.
.0510	1903.	2261.	-1345.	0.	-0.	-0.	-.0659	-.0728	.0438	-.0365	.0160	.1305	0.
.0520	-97.	2137.	400.	0.	-0.	0.	-.0520	-.0807	.0568	-.0178	-.0825	.1280	0.
.0530	-2080.	2449.	2237.	0.	-0.	-0.	-.0369	-.0920	.0694	.0056	-.1817	.1349	0.
.0540	-1899.	2388.	4417.	0.	-0.	-0.	-.0181	-.1069	.0786	.0404	-.2545	.1268	0.
.0550	-1952.	1418.	4874.	0.	-0.	-0.	.0042	-.1252	.0815	.0874	-.2727	.0865	0.
.0560	-1384.	117.	4165.	-0.	-0.	0.	.0299	-.1455	.0773	.1389	-.2384	.0321	0.
.0570	786.	-573.	3486.	0.	0.	-0.	.0576	-.1658	.0669	.1843	-.1716	-.0069	0.
.0580	1361.	-582.	1695.	-0.	-0.	0.	.0846	-.1852	.0518	.2180	-.0865	-.0290	0.
.0590	461.	-699.	-566.	0.	-0.	-0.	.1099	-.2035	.0345	.2463	-.0048	-.0570	0.
.0600	1395.	-1571.	-1143.	-0.	-0.	0.	.1337	-.2205	.0179	.2805	.0546	-.1051	0.
.0610	3168.	-3007.	-632.	-0.	0.	0.	.1546	-.2348	.0027	.3208	.0931	-.1633	0.
.0620	2150.	-4198.	-1199.	-0.	0.	0.	.1707	-.2443	-.0114	.3529	.1207	-.2082	0.
.0630	828.	-4462.	-1511.	-0.	0.	0.	.1829	-.2474	-.0240	.3624	.1330	-.2213	0.
.0640	1917.	-3889.	-522.	-0.	0.	0.	.1920	-.2437	-.0352	.3491	.1393	-.2040	0.
.0650	2303.	-3153.	-660.	0.	0.	-0.	.1962	-.2341	-.0465	.3220	.1670	-.1750	0.
.0660	942.	-2636.	-2366.	-0.	0.	-0.	.1952	-.2198	-.0576	.2872	.2129	-.1465	0.
.0670	1865.	-2017.	-2522.	0.	0.	-0.	.1912	-.2016	-.0659	.2437	.2416	-.1112	0.
.0680	3875.	-924.	-1337.	-0.	-0.	0.	.1833	-.1806	-.0708	.1900	.2428	-.0603	0.
.0690	2476.	379.	-1475.	-0.	0.	0.	.1700	-.1584	-.0735	.1308	.2308	-.0036	0.
.0700	644.	1278.	-1385.	0.	0.	-0.	.1535	-.1369	-.0737	.0764	.2001	.0398	0.
.0710	2055.	1525.	755.	0.	0.	-0.	.1365	-.1174	-.0716	.0360	.1509	.0634	0.
.0720	2424.	1383.	1900.	-0.	0.	0.	.1178	-.1003	-.0700	.0101	.1168	.0752	0.
.0730	-208.	1232.	506.	0.	0.	-0.	.0971	-.0854	-.0703	-.0074	.1165	.0849	0.
.0740	-636.	1247.	-447.	0.	0.	-0.	.0773	-.0725	-.0708	-.0224	.1326	.0955	0.
.0750	1355.	1347.	-744.	0.	0.	-0.	.0584	-.0615	-.0706	-.0355	.1607	.1045	0.
.0760	827.	1331.	-2848.	0.	0.	-0.	.0376	-.0526	-.0690	-.0433	.2038	.1065	0.
.0770	-933.	1046.	-5179.	-0.	0.	0.	.0151	-.0457	-.0633	-.0431	.2323	.0979	0.
.0780	156.	516.	-4646.	0.	0.	-0.	-.0073	-.0404	-.0506	-.0355	.2105	.0797	0.
.0790	1174.	-106.	-2890.	0.	0.	-0.	-.0306	-.0358	-.0314	-.0234	.1461	.0573	0.
.0800	-1413.	-670.	-2401.	-0.	0.	-0.	-.0557	-.0311	-.0081	-.0108	.0644	.0355	0.
.0810	-3584.	-1072.	-1280.	-0.	0.	0.	-.0792	-.0252	.0182	-.0008	-.0321	.0174	0.
.0820	-2723.	-1223.	1493.	0.	-0.	-0.	-.0979	-.0177	.0456	.0050	-.1341	.0060	0.
.0830	-2690.	-1067.	3077.	0.	0.	-0.	-.1125	-.0084	.0705	.0066	-.2080	.0035	0.
.0840	-4230.	-618.	2756.	0.	-0.	-0.	-.1227	.0024	.0906	.0032	-.2412	.0092	0.
.0850	-3535.	66.	2975.	0.	-0.	-0.	-.1267	.0141	.1063	-.0070	-.2527	.0195	0.
.0860	-1528.	912.	3594.	0.	-0.	-0.	-.1256	.0255	.1171	-.0244	-.2516	.0308	0.
.0870	-1730.	1785.	2931.	0.	-0.	0.	-.1219	.0354	.1227	-.0439	-.2364	.0392	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

.0750	1231.	-147.	-644.	0.	0.	-0.	.0374	.0615	-.0708	-.0355	.1807	.1045	0.
.0760	827.	1331.	-2846.	0.	0.	-0.	.0376	-.0526	-.0690	-.0433	.2038	.1065	0.
.0770	-933.	1046.	-5179.	-0.	0.	0.	.0151	-.0457	-.0633	-.0431	.2323	.0979	0.
.0780	156.	516.	-4646.	0.	0.	-0.	-.0073	-.0404	-.0506	-.0355	.2105	.0797	0.
.0790	1174.	-106.	-2890.	0.	0.	-0.	-.0306	-.0358	-.0314	-.0234	.1461	.0573	0.
.0800	-1413.	-670.	-2401.	-0.	0.	-0.	-.0557	-.0311	-.0081	-.0108	.0644	.0355	0.
.0810	-3584.	-1072.	-1280.	-0.	0.	0.	-.0792	-.0252	.0182	-.0008	-.0321	.0174	0.
.0820	-2723.	-1223.	1493.	0.	-0.	-0.	-.0979	-.0177	.0456	.0050	-.1341	.0060	0.
.0830	-2690.	-1067.	3077.	0.	0.	-0.	-.1125	-.0084	.0705	.0066	-.2080	.0035	0.
.0840	-4230.	-618.	2756.	0.	-0.	-0.	-.1227	.0024	.0906	.0032	-.2412	.0092	0.
.0850	-3535.	66.	2975.	0.	-0.	-0.	-.1267	.0141	.1063	-.0070	-.2527	.0195	0.
.0860	-1528.	912.	3594.	0.	-0.	-0.	-.1256	.0255	.1171	-.0244	-.2516	.0308	0.
.0870	-1730.	1785.	2931.	0.	-0.	0.	-.1219	.0354	.1227	-.0439	-.2364	.0392	0.

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 17 MEMBER 2 SEQUENCE 853 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)
.0880	-2528.	2422.	2211.	0.	-0.	0.	-.1154	.0425	.1237	-.0574	-.2210	.0387	0.
.0890	-1461.	2547.	2840.	0.	-0.	-0.	-.1052	.0458	.1213	-.0595	-.2148	.0219	0.
.0900	-512.	2135.	3264.	0.	-0.	-0.	-.0925	.0453	.1148	-.0510	-.2019	-.0119	0.
.0910	-921.	1477.	2358.	0.	-0.	-0.	-.0786	.0417	.1036	-.0365	-.1568	-.0536	0.
.0920	-768.	886.	1124.	0.	-0.	-0.	-.0636	.0358	.0890	-.0203	-.1132	-.0926	0.
.0930	364.	400.	-76.	0.	-0.	-0.	-.0483	.0286	.0724	-.0035	-.0481	-.1259	0.
.0940	1245.	-151.	-1640.	-0.	-0.	-0.	-.0346	.0210	.0557	.0149	.0203	-.1565	0.
.0950	2110.	-840.	-2877.	-0.	-0.	0.	-.0239	.0136	.0411	.0337	.0727	-.1854	0.
.0960	2983.	-1513.	-3194.	-0.	0.	0.	-.0172	.0077	.0306	.0475	.0899	-.2087	0.
.0970	2677.	-1931.	-2990.	-0.	-0.	-0.	-.0153	.0042	.0248	.0516	.0662	-.2198	0.
.0980	1628.	-1981.	-2104.	-0.	-0.	0.	-.0180	.0036	.0231	.0459	.0044	-.2145	0.
.0990	1103.	-1772.	-213.	-0.	-0.	-0.	-.0235	.0060	.0241	.0340	-.0836	-.1951	0.
.1000	386.	-1514.	1683.	-0.	-0.	0.	-.0306	.0111	.0253	.0185	-.1741	-.1692	0.
.1010	-1248.	-1312.	2630.	-0.	0.	0.	-.0375	.0185	.0242	-.0002	-.2449	-.1418	0.
.1020	-2438.	-1085.	3090.	-0.	0.	0.	-.0418	.0279	.0191	-.0221	-.2867	-.1117	0.
.1030	-2528.	-719.	3348.	-0.	0.	-0.	-.0420	.0388	.0096	-.0465	-.2968	-.0761	0.
.1040	-2773.	-271.	2788.	0.	-0.	-0.	-.0377	.0508	-.0047	-.0720	-.2736	-.0378	0.
.1050	-2916.	47.	1850.	0.	0.	-0.	-.0288	.0631	-.0228	-.0956	-.2268	-.0038	0.
.1060	-1695.	93.	1528.	-0.	0.	0.	-.0149	.0753	-.0433	-.1151	-.1690	.0219	0.
.1070	-612.	-25.	1015.	0.	0.	0.	.0022	.0873	-.0657	-.1316	-.0996	.0423	0.
.1080	184.	45.	609.	0.	-0.	0.	.0214	.0993	-.0886	-.1488	-.0328	.0669	0.
.1090	1885.	536.	1783.	0.	0.	0.	.0427	.1112	-.1104	-.1672	.0005	.1020	0.
.1100	-1049.	728.	-592.	-0.	0.	0.	.0618	.1223	-.1336	-.1762	.0765	.1279	0.
.1110	-717.	432.	-2216.	0.	0.	0.	.0822	.1324	-.1551	-.1757	.1748	.1370	0.
.1120	3749.	292.	-2120.	0.	0.	-0.	.1031	.1418	-.1724	-.1761	.2738	.1452	0.
.1130	5475.	961.	-3761.	-0.	0.	0.	.1194	.1505	-.1850	-.1838	.3776	.1706	0.
.1140	4643.	2158.	-6176.	0.	0.	0.	.1299	.1577	-.1903	-.1924	.4589	.2060	0.
.1150	5191.	2875.	-6280.	-0.	0.	0.	.1355	.1615	-.1852	-.1901	.4783	.2217	0.
.1160	4875.	2565.	-5182.	0.	0.	0.	.1342	.1611	-.1701	-.1712	.4358	.2019	0.
.1170	3812.	1629.	-3162.	0.	-0.	-0.	.1266	.1568	-.1470	-.1395	.3448	.1594	0.
.1180	-1251.	792.	-3137.	0.	0.	-0.	.1108	.1501	-.1200	-.1059	.2503	.1165	0.
.1190	-323.	516.	200.	0.	0.	-0.	.0947	.1422	-.0900	-.0816	.1373	.0852	0.
.1200	2920.	660.	4125.	0.	0.	0.	.0794	.1334	-.0612	-.0675	.0377	.0612	0.
.1210	-2026.	698.	2462.	0.	0.	-0.	.0598	.1237	-.0385	-.0541	-.0091	.0324	0.
.1220	-2857.	-8.	2531.	0.	0.	-0.	.0438	.1132	-.0200	-.0298	-.0438	-.0156	0.
.1230	-1587.	-1375.	3239.	-0.	0.	0.	.0296	.1030	-.0063	.0015	-.0632	-.0797	0.
.1240	-95.	-2614.	3545.	-0.	0.	0.	.0169	.0949	.0019	.0267	-.0638	-.1365	0.
.1250	273.	-3025.	2704.	0.	0.	-0.	.0049	.0909	.0044	.0360	-.0413	-.1639	0.

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

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.1140	4643.	2158.	-6170.	0.	0.	0.	.1299	.1577	-.1903	-.1924	.4589	.2060	0.
.1150	5191.	2875.	-6280.	-0.	0.	0.	.1355	.1615	-.1852	-.1901	.4783	.2217	0.
.1160	4875.	2565.	-5182.	0.	0.	0.	.1342	.1611	-.1701	-.1712	.4358	.2019	0.
.1170	3312.	1629.	-3162.	0.	-0.	-0.	.1266	.1568	-.1470	-.1395	.3448	.1594	0.
.1180	-1251.	772.	-3137.	0.	0.	-0.	.1108	.1501	-.1200	-.1059	.2503	.1165	0.
.1190	-323.	516.	200.	0.	0.	-0.	.0947	.1422	-.0900	-.0816	.1373	.0852	0.
.1200	2920.	660.	4125.	0.	0.	0.	.0794	.1334	-.0612	-.0675	.0377	.0612	0.
.1210	-2026.	698.	2462.	0.	0.	-0.	.0598	.1237	-.0385	-.0541	-.0091	.0324	0.
.1220	-2857.	-8.	2531.	0.	0.	-0.	.0438	.1132	-.0200	-.0298	-.0438	-.0156	0.
.1230	-1587.	-1375.	3239.	-0.	0.	0.	.0296	.1030	-.0063	.0015	-.0532	-.0797	0.
.1240	-95.	-2614.	3545.	-0.	0.	0.	.0169	.0949	.0019	.0267	-.0538	-.1365	0.
.1250	273.	-3025.	2704.	0.	0.	-0.	.0049	.0909	.0044	.0360	-.0413	-.1639	0.

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

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SECTION 17 MEMBER 2 SEQUENCE 853 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)
.1260	-2890.	-2647.	-490.	-0.	0.	0.	-.0094	.0915	.0022	.0282	.0039	-.1625	0.
.1270	256.	-2056.	331.	0.	0.	-0.	-.0197	.0960	.0000	.0095	.0167	-.1496	0.
.1280	837.	-1697.	170.	0.	0.	-0.	-.0316	.1037	-.0027	-.0121	.0182	-.1375	0.
.1290	-629.	-1626.	-859.	-0.	-0.	0.	-.0446	.1140	-.0055	-.0320	.0148	-.1267	0.
.1300	230.	-1484.	-420.	0.	-0.	0.	-.0560	.1267	-.0072	-.0563	-.0004	-.1087	0.
.1310	-1548.	-800.	-1794.	0.	-0.	0.	-.0693	.1415	-.0085	-.0947	-.0018	-.0743	0.
.1320	-156.	510.	-1586.	-0.	-0.	0.	-.0808	.1571	-.0077	-.1451	-.0082	-.0221	0.
.1330	-367.	1930.	-2344.	0.	-0.	-0.	-.0939	.1718	-.0049	-.1939	-.0105	.0339	0.
.1340	-318.	2690.	-2542.	0.	-0.	0.	-.1067	.1834	.0012	-.2270	-.0273	.0712	0.
.1350	939.	2585.	-1283.	0.	-0.	0.	-.1177	.1908	.0111	-.2415	-.0715	.0816	0.
.1360	-1614.	2128.	-1513.	0.	-0.	0.	-.1307	.1943	.0228	-.2443	-.1247	.0794	0.
.1370	-1338.	1826.	395.	0.	-0.	-0.	-.1411	.1944	.0362	-.2419	-.1981	.0796	0.
.1380	-2733.	1740.	1244.	0.	-0.	-0.	-.1513	.1917	.0484	-.2368	-.2588	.0839	0.
.1390	-3042.	1607.	2117.	0.	-0.	-0.	-.1579	.1863	.0580	-.2258	-.2980	.0852	0.
.1400	-1286.	1237.	3192.	0.	-0.	-0.	-.1595	.1785	.0641	-.2062	-.3046	.0805	0.
.1410	-3490.	942.	926.	-0.	-0.	0.	-.1599	.1687	.0653	-.1815	-.2597	.0742	0.
.1420	-2485.	818.	24.	0.	-0.	0.	-.1553	.1575	.0646	-.1575	-.2048	.0722	0.
.1430	-1252.	1064.	-626.	0.	-0.	0.	-.1488	.1451	.0633	-.1373	-.1513	.0780	0.
.1440	-83.	1429.	-703.	0.	-0.	-0.	-.1412	.1309	.0626	-.1156	-.1129	.0857	0.
.1450	62.	1380.	-600.	0.	-0.	0.	-.1325	.1147	.0628	-.0851	-.0916	.0803	0.
.1460	-2932.	670.	-1651.	-0.	-0.	0.	-.1247	.0966	.0638	-.0456	-.0798	.0544	0.
.1470	-1011.	-333.	659.	-0.	0.	0.	-.1128	.0776	.0667	-.0045	-.0992	.0184	0.
.1480	-937.	-1005.	1764.	-0.	-0.	0.	-.1008	.0591	.0681	.0285	-.1094	-.0090	0.
.1490	-2101.	-1151.	1638.	0.	-0.	-0.	-.0876	.0423	.0667	.0499	-.1007	-.0210	0.
.1500	-730.	-1092.	2423.	0.	-0.	-0.	-.0706	.0273	.0626	.0633	-.0829	-.0257	0.
.1510	-971.	-1161.	1732.	-0.	-0.	0.	-.0535	.0140	.0547	.0738	-.0435	-.0313	0.
.1520	306.	-1369.	1730.	-0.	0.	0.	-.0347	.0026	.0441	.0836	-.0026	-.0368	0.
.1530	-846.	-1489.	417.	0.	-0.	0.	-.0177	-.0066	.0307	.0898	.0414	-.0358	0.
.1540	-170.	-1369.	616.	-0.	-0.	0.	-.0000	-.0136	.0164	.0906	.0641	-.0246	0.
.1550	1820.	-1068.	1923.	-0.	-0.	0.	.0184	-.0185	.0010	.0875	.0712	-.0056	0.
.1560	-1214.	-791.	184.	-0.	0.	0.	.0336	-.0218	-.0171	.0840	.0973	.0151	0.
.1570	-289.	-709.	468.	0.	0.	0.	.0508	-.0240	-.0357	.0823	.1180	.0318	0.
.1580	1295.	-720.	588.	-0.	0.	0.	.0676	-.0250	-.0551	.0799	.1513	.0462	0.
.1590	-91.	-518.	-1653.	-0.	0.	0.	.0809	-.0250	-.0755	.0723	.2116	.0658	0.
.1600	1267.	9.	-2551.	-0.	0.	0.	.0930	-.0243	-.0936	.0587	.2683	.0929	0.
.1610	4256.	555.	-2371.	-0.	0.	0.	.1036	-.0238	-.1078	.0434	.3111	.1180	0.
.1620	1716.	799.	-4878.	0.	0.	0.	.1075	-.0240	-.1177	.0315	.3485	.1314	0.
.1630	2076.	662.	-4783.	-0.	0.	0.	.1094	-.0255	-.1202	.0264	.3424	.1309	0.

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.1530	-846.	-1489.	417.	0.	-0.	0.	-.0177	-.0066	.0307	.0898	.0414	-.0358	0.
.1540	-170.	-1369.	616.	-0.	-0.	0.	-.0000	-.0136	.0164	.0906	.0641	-.0246	0.
.1550	1820.	-1068.	1923.	-0.	-0.	0.	.0184	-.0185	.0010	.0875	.0712	-.0056	0.
.1560	-1214.	-791.	184.	-0.	0.	0.	.0336	-.0218	-.0171	.0840	.0973	.0151	0.
.1570	-289.	-709.	468.	0.	0.	0.	.0508	-.0240	-.0357	.0823	.1180	.0318	0.
.1580	1295.	-720.	588.	-0.	0.	0.	.0676	-.0250	-.0551	.0799	.1513	.0462	0.
.1590	-91.	-518.	-1653.	-0.	0.	0.	.0809	-.0250	-.0755	.0723	.2116	.0658	0.
.1600	1267.	9.	-2551.	-0.	0.	0.	.0930	-.0243	-.0936	.0587	.2683	.0929	0.
.1610	4256.	555.	-2371.	-0.	0.	0.	.1036	-.0238	-.1078	.0434	.3111	.1180	0.
.1620	1716.	799.	-4878.	0.	0.	0.	.1075	-.0240	-.1177	.0315	.3485	.1314	0.
.1630	2076.	662.	-4783.	-0.	0.	0.	.1094	-.0255	-.1202	.0264	.3424	.1309	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 17 MEMBER 2 SEQUENCE 853 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)
.1640	3238.	302.	-3362.	-0.	0.	0.	.1075	-.0280	-.1157	.0257	.3010	.1209	0.
.1650	793.	-56.	-3498.	0.	0.	-0.	.0997	-.0309	-.1061	.0255	.2485	.1076	0.
.1660	1163.	-241.	-1713.	0.	0.	-0.	.0907	-.0337	-.0916	.0244	.1746	.0970	0.
.1670	779.	-255.	-532.	0.	-0.	-0.	.0789	-.0361	-.0748	.0229	.1068	.0899	0.
.1680	838.	-305.	460.	-0.	0.	0.	.0671	-.0382	-.0572	.0232	.0518	.0806	0.
.1690	-1388.	-415.	-352.	-0.	0.	0.	.0540	-.0398	-.0404	.0252	.0195	.0690	0.
.1700	-2493.	-357.	-694.	-0.	0.	0.	.0414	-.0408	-.0237	.0272	-.0092	.0622	0.
.1710	1419.	-43.	1922.	0.	-0.	0.	.0324	-.0413	-.0066	.0286	-.0521	.0631	0.
.1720	-741.	354.	961.	0.	0.	-0.	.0209	-.0418	.0076	.0305	-.0706	.0661	0.
.1730	-1859.	596.	697.	0.	-0.	-0.	.0118	-.0429	.0202	.0359	-.0905	.0641	0.
.1740	-741.	634.	1755.	0.	-0.	-0.	.0049	-.0449	.0313	.0455	-.1129	.0557	0.
.1750	-1511.	535.	1453.	-0.	0.	0.	-.0022	-.0478	.0393	.0580	-.1166	.0422	0.
.1760	-556.	373.	1750.	-0.	-0.	-0.	-.0066	-.0516	.0449	.0714	-.1089	.0253	0.
.1770	-1137.	237.	635.	0.	-0.	-0.	-.0111	-.0560	.0477	.0833	-.0771	.0073	0.
.1780	655.	100.	505.	0.	-0.	-0.	-.0134	-.0607	.0494	.0932	-.0385	-.0125	0.
.1790	626.	-97.	-877.	-0.	-0.	0.	-.0168	-.0655	.0504	.1008	.0121	-.0351	0.
.1800	-796.	-340.	-2819.	-0.	-0.	0.	-.0225	-.0701	.0525	.1061	.0574	-.0590	0.
.1810	2374.	-560.	-1410.	0.	-0.	-0.	-.0274	-.0742	.0583	.1094	.0644	-.0807	0.
.1820	1799.	-706.	-1516.	-0.	-0.	-0.	-.0365	-.0774	.0661	.1096	.0590	-.0978	0.
.1830	284.	-763.	-1523.	0.	-0.	-0.	-.0474	-.0796	.0761	.1061	.0331	-.1095	0.
.1840	-389.	-666.	-562.	0.	-0.	-0.	-.0591	-.0806	.0880	.0982	-.0139	-.1138	0.
.1850	-1020.	-409.	544.	0.	-0.	-0.	-.0715	-.0806	.1000	.0870	-.0678	-.1101	0.
.1860	-246.	-106.	2241.	-0.	-0.	-0.	-.0822	-.0801	.1109	.0760	-.1204	-.1014	0.
.1870	-2109.	173.	1916.	0.	-0.	-0.	-.0930	-.0794	.1180	.0667	-.1489	-.0902	0.
.1880	-1718.	418.	2443.	0.	-0.	-0.	-.1003	-.0791	.1219	.0592	-.1679	-.0776	0.
.1890	-1335.	614.	2553.	-0.	0.	0.	-.1050	-.0795	.1218	.0539	-.1714	-.0650	0.
.1900	-2933.	680.	1271.	-0.	-0.	-0.	-.1082	-.0808	.1175	.0522	-.1588	-.0549	0.
.1910	-1954.	557.	1569.	-0.	-0.	0.	-.1069	-.0832	.1110	.0560	-.1539	-.0486	0.
.1920	-1768.	252.	1533.	-0.	-0.	0.	-.1032	-.0864	.1019	.0640	-.1476	-.0468	0.
.1930	-2270.	-199.	1151.	-0.	-0.	0.	-.0965	-.0899	.0904	.0738	-.1381	-.0488	0.
.1940	-2062.	-676.	1123.	-0.	-0.	0.	-.0861	-.0931	.0772	.0824	-.1268	-.0513	0.
.1950	-1639.	-988.	1005.	-0.	-0.	0.	-.0723	-.0952	.0622	.0861	-.1074	-.0488	0.
.1960	-1727.	-1006.	295.	0.	-0.	-0.	-.0561	-.0958	.0459	.0828	-.0752	-.0380	0.
.1970	-1452.	-781.	-422.	0.	-0.	-0.	-.0375	-.0950	.0290	.0733	-.0360	-.0206	0.
.1980	-519.	-467.	-834.	-0.	-0.	-0.	-.0170	-.0930	.0128	.0606	.0043	-.0012	0.
.1990	33.	-140.	-1404.	-0.	0.	0.	.0040	-.0904	-.0021	.0468	.0435	.0176	0.
.2000	181.	244.	-1943.	-0.	0.	0.	.0246	-.0876	-.0150	.0324	.0746	.0365	0.
.2010	705.	717.	-1818.	-0.	0.	0.	.0444	-.0853	-.0250	.0186	.0895	.0559	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
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.1910	-1954.	557.	1569.	-	-0.	0.	-.1069	-.0832	.1110	.0560	-.1539	-.0486	0.
.1920	-1768.	252.	1533.	-	-0.	0.	-.1032	-.0864	.1019	.0640	-.1476	-.0468	0.
.1930	-2270.	-199.	1151.	-	-0.	0.	-.0965	-.0899	.0904	.0738	-.1381	-.0488	0.
.1940	-2062.	-676.	1123.	-	-0.	0.	-.0861	-.0931	.0772	.0824	-.1268	-.0513	0.
.1950	-1639.	-988.	1005.	-0.	-0.	0.	-.0723	-.0952	.0622	.0861	-.1074	-.0488	0.
.1960	-1727.	-1006.	295.	0.	-0.	-0.	-.0561	-.0958	.0459	.0828	-.0752	-.0380	0.
.1970	-1452.	-781.	-422.	0.	-0.	-0.	-.0375	-.0950	.0290	.0733	-.0360	-.0206	0.
.1980	-519.	-467.	-834.	-0.	-0.	-0.	-.0170	-.0930	.0128	.0606	.0043	-.0012	0.
.1990	33.	-140.	-1404.	-0.	0.	0.	.0040	-.0904	-.0021	.0468	.0435	.0176	0.
.2000	181.	244.	-1943.	-0.	0.	0.	.0246	-.0876	-.0150	.0324	.0746	.0365	0.
.2010	705.	717.	-1818.	-0.	0.	0.	.0444	-.0853	-.0250	.0186	.0895	.0559	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 17 MEMBER 2 SEQUENCE 853 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)
.2020	1090.	1206.	-1338.	-0.	0.	0.	.0627	-.0842	-.0325	.0078	.0904	.0735	0.
.2030	777.	1547.	-1024.	-0.	0.	0.	.0790	-.0850	-.0381	.0034	.0851	.0844	0.
.2040	669.	1611.	-591.	-0.	0.	-0.	.0936	-.0881	-.0423	.0072	.0786	.0846	0.
.2050	1067.	1432.	-74.	0.	0.	-0.	.1069	-.0937	-.0458	.0186	.0764	.0745	0.
.2060	1127.	1172.	-92.	0.	0.	-0.	.1184	-.1015	-.0492	.0349	.0852	.0587	0.
.2070	887.	926.	-584.	0.	0.	-0.	.1279	-.1110	-.0525	.0540	.1037	.0400	0.
.2080	1264.	601.	-857.	0.	0.	-0.	.1357	-.1219	-.0550	.0765	.1234	.0163	0.
.2090	1952.	50.	-916.	-0.	0.	0.	.1413	-.1335	-.0562	.1033	.1397	-.0156	0.
.2100	1976.	-714.	-1180.	-0.	0.	0.	.1440	-.1451	-.0560	.1330	.1506	-.0541	0.
.2110	1715.	-1502.	-1297.	-0.	-0.	0.	.1438	-.1554	-.0539	.1616	.1506	-.0927	0.
.2120	1651.	-2115.	-968.	-0.	0.	-0.	.1412	-.1633	-.0498	.1843	.1373	-.1248	0.
.2130	1431.	-2474.	-554.	-0.	0.	0.	.1361	-.1679	-.0443	.1988	.1164	-.1469	0.
.2140	1057.	-2616.	-254.	-0.	0.	0.	.1289	-.1686	-.0379	.2047	.0943	-.1593	0.
.2150	952.	-2598.	58.	-0.	0.	-0.	.1203	-.1653	-.0311	.2022	.0738	-.1630	0.
.2160	982.	-2406.	285.	-0.	0.	-0.	.1104	-.1580	-.0243	.1909	.0570	-.1575	0.
.2170	758.	-1985.	241.	-0.	0.	0.	.0993	-.1471	-.0178	.1709	.0445	-.1417	0.
.2180	545.	-1358.	165.	-0.	0.	-0.	.0872	-.1333	-.0117	.1439	.0335	-.1164	0.
.2190	521.	-669.	237.	-0.	0.	-0.	.0744	-.1176	-.0059	.1133	.0215	-.0865	0.
.2200	322.	-82.	269.	-0.	0.	0.	.0608	-.1009	-.0004	.0830	.0092	-.0577	0.
.2210	16.	334.	281.	-0.	0.	0.	.0469	-.0842	.0046	.0554	-.0029	-.0328	0.
.2220	-0.	618.	449.	0.	0.	-0.	.0329	-.0682	.0091	.0315	-.0141	-.0113	0.
.2230	66.	839.	558.	0.	-0.	-0.	.0189	-.0532	.0129	.0112	-.0213	.0080	0.
.2240	-35.	1033.	378.	0.	-0.	-0.	.0050	-.0395	.0158	-.0060	-.0214	.0256	0.
.2250	-1.	1179.	79.	0.	-0.	-0.	-.0089	-.0275	.0182	-.0197	-.0155	.0401	0.
.2260	208.	1231.	-249.	0.	-0.	-0.	-.0228	-.0174	.0205	-.0291	-.0064	.0501	0.
.2270	213.	1186.	-705.	0.	-0.	0.	-.0369	-.0092	.0232	-.0340	.0026	.0551	0.
.2280	84.	1097.	-1089.	0.	-0.	0.	-.0512	-.0029	.0271	-.0355	.0055	.0565	0.
.2290	56.	1005.	-1125.	-0.	-0.	0.	-.0657	.0018	.0325	-.0348	-.0030	.0549	0.
.2300	-167.	879.	-932.	0.	-0.	0.	-.0801	.0049	.0396	-.0320	-.0234	.0494	0.
.2310	-732.	660.	-638.	0.	-0.	0.	-.0942	.0068	.0480	-.0269	-.0534	.0386	0.
.2320	-1212.	338.	-96.	0.	-0.	0.	-.1070	.0076	.0573	-.0196	-.0905	.0226	0.
.2330	-1513.	-32.	605.	-0.	-0.	0.	-.1179	.0081	.0666	-.0115	-.1294	.0037	0.
.2340	-1960.	-363.	1134.	-0.	0.	0.	-.1263	.0086	.0749	-.0048	-.1636	-.0153	0.
.2350	-2364.	-589.	1501.	-0.	-0.	0.	-.1315	.0097	.0814	-.0013	-.1901	-.0319	0.
.2360	-2433.	-704.	1882.	-0.	-0.	0.	-.1331	.0117	.0855	-.0013	-.2082	-.0454	0.
.2370	-2338.	-748.	2149.	0.	-0.	-0.	-.1309	.0148	.0867	-.0041	-.2167	-.0560	0.
.2380	-2337.	-752.	2199.	0.	0.	-0.	-.1250	.0191	.0845	-.0089	-.2152	-.0640	0.
.2390	-2166.	-703.	2217.	-0.	-0.	0.	-.1155	.0246	.0790	-.0155	-.2053	-.0687	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
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.2280	84.	1097.	-1089.	0.	-0.	0.	-.0512	-.0029	.0271	-.0355	.0055	.0565	0.
.2290	56.	1005.	-1125.	-0.	-0.	0.	-.0657	.0018	.0325	-.0348	-.0030	.0549	0.
.2300	-167.	879.	-932.	0.	-0.	0.	-.0801	.0049	.0396	-.0320	-.0234	.0494	0.
.2310	-732.	660.	-638.	0.	-0.	0.	-.0942	.0068	.0480	-.0269	-.0534	.0386	0.
.2320	-1212.	338.	-96.	0.	-0.	0.	-.1070	.0076	.0573	-.0196	-.0905	.0226	0.
.2330	-1513.	-32.	605.	-0.	-0.	0.	-.1179	.0081	.0666	-.0115	-.1294	.0037	0.
.2340	-1960.	-363.	1134.	-0.	0.	0.	-.1263	.0086	.0749	-.0048	-.1636	-.0153	0.
.2350	-2384.	-589.	1501.	-0.	-0.	0.	-.1315	.0097	.0814	-.0013	-.1901	-.0319	0.
.2360	-2433.	-704.	1882.	-0.	-0.	0.	-.1331	.0117	.0855	-.0013	-.2082	-.0454	0.
.2370	-2338.	-748.	2149.	0.	-0.	-0.	-.1309	.0148	.0867	-.0041	-.2167	-.0560	0.
.2380	-2337.	-752.	2199.	0.	0.	-0.	-.1250	.0191	.0845	-.0089	-.2152	-.0640	0.
.2390	-2166.	-703.	2217.	-0.	-0.	0.	-.1155	.0246	.0790	-.0155	-.2053	-.0687	0.

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FORCES AND MOMENTS ACT ON THE PIPING

SECTION 17 MEMBER 2 SEQUENCE 853 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)
.2400	-1775.	-582.	2212.	0.	-0.	0.	-.1028	.0311	.0701	-.0240	-.1870	-.0694	0.
.2410	-1460.	-396.	1953.	0.	-0.	0.	-.0874	.0384	.0580	-.0337	-.1580	-.0664	0.
.2420	-1118.	-181.	1454.	-0.	-0.	0.	-.0697	.0463	.0430	-.0433	-.1186	-.0603	0.
.2430	-493.	25.	879.	0.	-0.	-0.	-.0505	.0545	.0259	-.0516	-.0710	-.0524	0.
.2440	174.	197.	162.	-0.	-0.	0.	-.0306	.0626	.0076	-.0582	-.0182	-.0437	0.
.2450	694.	327.	-674.	0.	-0.	-0.	-.0111	.0703	-.0107	-.0632	.0350	-.0347	0.
.2460	1248.	415.	-1359.	0.	-0.	0.	.0073	.0775	-.0279	-.0668	.0815	-.0258	0.
.2470	1857.	450.	-1749.	0.	-0.	0.	.0235	.0841	-.0428	-.0691	.1158	-.0175	0.
.2480	2116.	418.	-1990.	0.	0.	0.	.0370	.0900	-.0550	-.0703	.1358	-.0106	0.
.2490	1980.	314.	-2054.	0.	-0.	-0.	.0472	.0952	-.0640	-.0705	.1400	-.0055	0.
.2500	1859.	143.	-1735.	0.	0.	-0.	.0545	.1000	-.0699	-.0702	.1287	-.0024	0.
.2510	1720.	-77.	-1183.	-0.	0.	0.	.0589	.1046	-.0731	-.0701	.1063	-.0007	0.
.2520	1342.	-296.	-681.	0.	0.	0.	.0609	.1093	-.0745	-.0711	.0795	.0009	0.
.2530	919.	-455.	-237.	0.	0.	-0.	.0610	.1145	-.0748	-.0743	.0528	.0042	0.
.2540	662.	-525.	183.	-0.	0.	0.	.0599	.1204	-.0747	-.0799	.0296	.0099	0.
.2550	452.	-527.	449.	0.	0.	0.	.0579	.1271	-.0748	-.0876	.0129	.0179	0.
.2560	258.	-475.	529.	0.	-0.	-0.	.0553	.1346	-.0755	-.0971	.0037	.0276	0.
.2570	230.	-353.	544.	0.	0.	-0.	.0525	.1429	-.0769	-.1087	.0012	.0395	0.
.2580	258.	-139.	483.	-0.	0.	0.	.0495	.1516	-.0791	-.1224	.0044	.0536	0.
.2590	183.	148.	291.	0.	0.	-0.	.0463	.1604	-.0819	-.1375	.0126	.0692	0.
.2600	186.	442.	76.	0.	0.	-0.	.0431	.1690	-.0850	-.1522	.0245	.0840	0.
.2610	357.	668.	-130.	0.	0.	-0.	.0396	.1769	-.0882	-.1649	.0398	.0954	0.
.2620	506.	790.	-440.	0.	0.	0.	.0357	.1837	-.0911	-.1747	.0584	.1021	0.
.2630	620.	838.	-822.	0.	0.	-0.	.0310	.1893	-.0932	-.1818	.0784	.1044	0.
.2640	821.	850.	-1142.	0.	0.	0.	.0254	.1936	-.0940	-.1864	.0965	.1035	0.
.2650	975.	818.	-1405.	0.	0.	-0.	.0185	.1966	-.0930	-.1882	.1100	.0992	0.
.2660	935.	700.	-1613.	0.	-0.	-0.	.0103	.1984	-.0898	-.1870	.1161	.0906	0.
.2670	837.	494.	-1608.	0.	0.	0.	.0006	.1991	-.0842	-.1835	.1119	.0779	0.
.2680	701.	257.	-1357.	0.	0.	-0.	-.0103	.1991	-.0762	-.1790	.0966	.0630	0.
.2690	388.	61.	-987.	-0.	-0.	0.	-.0222	.1988	-.0661	-.1751	.0724	.0486	0.
.2700	5.	-52.	-543.	-0.	0.	0.	-.0345	.1984	-.0546	-.1724	.0427	.0364	0.
.2710	-258.	-86.	-48.	0.	0.	-0.	-.0468	.1980	-.0424	-.1710	.0118	.0269	0.
.2720	-475.	-65.	337.	-0.	0.	0.	-.0585	.1979	-.0302	-.1706	-.0157	.0199	0.
.2730	-715.	3.	512.	0.	-0.	-0.	-.0695	.1978	-.0186	-.1707	-.0371	.0153	0.
.2740	-773.	122.	618.	-0.	0.	0.	-.0793	.1976	-.0078	-.1712	-.0532	.0134	0.
.2750	-710.	269.	684.	-0.	-0.	0.	-.0879	.1973	.0020	-.1712	-.0655	.0136	0.
.2760	-745.	331.	654.	-0.	-0.	0.	-.0953	.1966	.0107	-.1696	-.0754	.0143	0.
.2770	-799.	420.	643.	0.	-0.	-0.	-.1015	.1953	.0183	-.1660	-.0852	.0143	0.

S/RV PIPING KEWAUNEE GKW08F 2 RUP DISK
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.2660	637.	494.	-1608.	0.	0.	0.	.0006	.1991	-.0842	-.1835	.1119	.0779	0.
.2670	701.	257.	-1357.	0.	0.	-0.	-.0103	.1991	-.0762	-.1790	.0966	.0630	0.
.2680	388.	61.	-987.	-0.	-0.	0.	-.0222	.1988	-.0661	-.1751	.0724	.0486	0.
.2690	5.	-52.	-543.	-0.	0.	0.	-.0345	.1984	-.0546	-.1724	.0427	.0364	0.
.2700	-258.	-86.	-48.	0.	0.	-0.	-.0468	.1980	-.0424	-.1710	.0118	.0269	0.
.2710	-475.	-65.	337.	-0.	0.	0.	-.0585	.1979	-.0302	-.1706	-.0157	.0199	0.
.2720	-715.	3.	512.	0.	-0.	-0.	-.0695	.1978	-.0186	-.1707	-.0371	.0153	0.
.2730	-773.	122.	618.	-0.	0.	0.	-.0793	.1976	-.0078	-.1712	-.0532	.0134	0.
.2740	-710.	269.	684.	-0.	-0.	0.	-.0879	.1973	.0020	-.1712	-.0655	.0136	0.
.2750	-745.	331.	654.	-0.	-0.	0.	-.0953	.1966	.0107	-.1696	-.0754	.0143	0.
.2760	-799.	420.	643.	0.	-0.	-0.	-.1015	.1953	.0183	-.1660	-.0852	.0143	0.
.2770													

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SECTION 17 MEMBER 2 SEQUENCE 853 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)
.2780	-766.	403.	739.	-0.	-0.	0.	-.1063	.1933	.0250	-.1608	-.0961	.0140	0.
.2790	-792.	378.	835.	0.	-0.	0.	-.1099	.1907	.0305	-.1547	-.1069	.0146	0.
.2800	-921.	371.	857.	0.	-0.	0.	-.1122	.1875	.0347	-.1484	-.1160	.0169	0.
.2810	-970.	389.	871.	0.	-0.	-0.	-.1131	.1838	.0376	-.1422	-.1226	.0208	0.
.2820	-942.	430.	855.	-0.	-0.	0.	-.1124	.1794	.0392	-.1363	-.1259	.0260	0.
.2830	-975.	485.	740.	0.	-0.	-0.	-.1103	.1744	.0395	-.1308	-.1256	.0317	0.
.2840	-995.	530.	614.	0.	0.	-0.	-.1066	.1686	.0386	-.1252	-.1234	.0372	0.
.2850	-902.	546.	591.	0.	-0.	-0.	-.1014	.1621	.0368	-.1191	-.1209	.0419	0.
.2860	-815.	539.	625.	-0.	-0.	0.	-.0948	.1547	.0341	-.1125	-.1184	.0455	0.
.2870	-808.	519.	657.	-0.	-0.	0.	-.0870	.1465	.0305	-.1058	-.1148	.0483	0.
.2880	-755.	486.	706.	0.	-0.	-0.	-.0780	.1375	.0259	-.0990	-.1088	.0503	0.
.2890	-610.	442.	724.	-0.	-0.	0.	-.0678	.1277	.0202	-.0920	-.0982	.0515	0.
.2900	-460.	405.	599.	0.	-0.	-0.	-.0568	.1173	.0134	-.0851	-.0810	.0525	0.
.2910	-283.	396.	333.	0.	-0.	-0.	-.0451	.1064	.0058	-.0784	-.0571	.0539	0.
.2920	-24.	413.	-7.	0.	-0.	-0.	-.0331	.0948	-.0022	-.0719	-.0283	.0555	0.
.2930	241.	434.	-391.	0.	-0.	0.	-.0211	.0826	-.0101	-.0647	.0027	.0566	0.
.2940	445.	429.	-759.	0.	0.	0.	-.0095	.0698	-.0174	-.0563	.0322	.0567	0.
.2950	619.	384.	-998.	0.	0.	0.	.0013	.0563	-.0234	-.0459	.0567	.0552	0.
.2960	736.	299.	-1067.	0.	0.	-0.	.0111	.0424	-.0279	-.0337	.0739	.0523	0.
.2970	732.	190.	-1004.	-0.	0.	0.	.0198	.0280	-.0308	-.0197	.0837	.0485	0.
.2980	652.	76.	-832.	0.	0.	-0.	.0273	.0133	-.0321	-.0047	.0872	.0444	0.
.2990	559.	-32.	-586.	-0.	0.	0.	.0338	-.0014	-.0321	.0109	.0864	.0405	0.
.3000	448.	-139.	-340.	0.	0.	-0.	.0394	-.0160	-.0313	.0267	.0837	.0367	0.
.3010	336.	-251.	-141.	0.	0.	-0.	.0444	-.0303	-.0300	.0427	.0812	.0329	0.
.3020	272.	-361.	16.	0.	0.	-0.	.0488	-.0442	-.0285	.0584	.0796	.0294	0.
.3030	240.	-460.	120.	-0.	0.	-0.	.0528	-.0575	-.0270	.0735	.0793	.0266	0.
.3040	206.	-552.	163.	0.	0.	-0.	.0564	-.0700	-.0258	.0878	.0803	.0243	0.
.3050	207.	-657.	176.	-0.	0.	-0.	.0597	-.0816	-.0247	.1014	.0823	.0221	0.
.3060	256.	-775.	165.	0.	0.	-0.	.0627	-.0922	-.0240	.1143	.0855	.0202	0.
.3070	318.	-878.	93.	0.	0.	-0.	.0652	-.1015	-.0234	.1256	.0903	.0191	0.
.3080	404.	-933.	-49.	-0.	0.	-0.	.0672	-.1095	-.0230	.1344	.0971	.0197	0.
.3090	550.	-921.	-241.	-0.	0.	-0.	.0686	-.1160	-.0225	.1402	.1054	.0224	0.
.3100	723.	-835.	-485.	-0.	0.	0.	.0691	-.1211	-.0216	.1427	.1144	.0272	0.
.3110	877.	-676.	-759.	-0.	0.	-0.	.0685	-.1250	-.0199	.1419	.1223	.0337	0.
.3120	1025.	-452.	-988.	0.	0.	-0.	.0665	-.1278	-.0170	.1383	.1267	.0414	0.
.3130	1138.	-181.	-1115.	0.	0.	-0.	.0629	-.1300	-.0126	.1326	.1249	.0494	0.
.3140	1129.	103.	-1136.	-0.	0.	0.	.0576	-.1320	-.0065	.1260	.1155	.0565	0.
.3150	1009.	364.	-1020.	0.	0.	-0.	.0506	-.1341	.0013	.1195	.0978	.0610	0.

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.3040	206.	-552.	163.	0.	0.	-0.	.0564	-.0700	-.0258	.0878	.0803	.0243	0.
.3050	207.	-657.	176.	-0.	0.	-0.	.0597	-.0816	-.0247	.1014	.0823	.0221	0.
.3060	256.	-775.	165.	0.	0.	-0.	.0627	-.0922	-.0240	.1143	.0855	.0202	0.
.3070	318.	-878.	93.	0.	0.	-0.	.0652	-.1015	-.0234	.1256	.0903	.0191	0.
.3080	404.	-933.	-49.	-0.	0.	-0.	.0672	-.1075	-.0230	.1344	.0971	.0197	0.
.3090	550.	-921.	-241.	-0.	0.	-0.	.0686	-.1160	-.0225	.1402	.1054	.0224	0.
.3100	723.	-835.	-485.	-0.	0.	0.	.0691	-.1211	-.0216	.1427	.1144	.0272	0.
.3110	877.	-676.	-759.	-0.	0.	-0.	.0685	-.1250	-.0199	.1419	.1223	.0337	0.
.3120	1025.	-452.	-988.	0.	0.	-0.	.0665	-.1278	-.0170	.1383	.1267	.0414	0.
.3130	1138.	-181.	-1115.	0.	0.	-0.	.0629	-.13[illegible]	-.0126	.1326	.1249	.0494	0.
.3140	1129.	103.	-1136.	-0.	0.	0.	.0576	-.1320	-.0065	.1260	.1155	.0565	0.
.3150	1009.	364.	-1020.	0.	0.	-0.	.0506	-.1341	.0013	.1195	.0978	.0610	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 17 MEMBER 2 SEQUENCE 853 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)
.3160	815.	562.	-760.	0.	0.	-0.	.0421	-.1368	.0107	.1145	.0725	.0617	0.
.3170	545.	671.	-413.	-0.	0.	-0.	.0324	-.1404	.0211	.1118	.0420	.0578	0.
.3180	216.	683.	-39.	-0.	-0.	-0.	.0220	-.1451	.0320	.1118	.0091	.0488	0.
.3190	-118.	599.	316.	0.	-0.	-0.	.0113	-.1507	.0430	.1146	-.0231	.0350	0.
.3200	-394.	433.	627.	0.	-0.	-0.	.0009	-.1573	.0534	.1197	-.0523	.0170	0.
.3210	-631.	202.	845.	0.	-0.	-0.	-.0088	-.1644	.0627	.1269	-.0764	-.0039	0.
.3220	-831.	-67.	961.	-0.	-0.	-0.	-.0175	-.1718	.0707	.1354	-.0947	-.0265	0.
.3230	-953.	-347.	1012.	0.	-0.	-0.	-.0249	-.1790	.0772	.1443	-.1074	-.0493	0.
.3240	-1015.	-617.	1011.	-0.	0.	-0.	-.0308	-.1856	.0821	.1529	-.1150	-.0711	0.
.3250	-1066.	-856.	940.	-0.	-0.	0.	-.0351	-.1913	.0854	.1604	-.1176	-.0906	0.
.3260	-1062.	-1038.	839.	0.	-0.	-0.	-.0377	-.1955	.0873	.1661	-.1161	-.1064	0.
.3270	-985.	-1135.	729.	-0.	-0.	0.	-.0387	-.1981	.0879	.1692	-.1111	-.1176	0.
.3280	-895.	-1139.	579.	0.	0.	-0.	-.0382	-.1990	.0874	.1693	-.1030	-.1237	0.
.3290	-784.	-1058.	404.	0.	-0.	-0.	-.0364	-.1981	.0860	.1663	-.0925	-.1249	0.
.3300	-609.	-904.	252.	-0.	-0.	0.	-.0334	-.1957	.0840	.1604	-.0810	-.1216	0.
.3310	-435.	-686.	123.	0.	-0.	-0.	-.0294	-.1918	.0816	.1520	-.0700	-.1143	0.
.3320	-324.	-418.	24.	-0.	0.	-0.	-.0249	-.1870	.0791	.1416	-.0608	-.1038	0.
.3330	-243.	-134.	11.	-0.	-0.	0.	-.0199	-.1815	.0765	.1301	-.0550	-.0914	0.
.3340	-178.	122.	108.	0.	0.	-0.	-.0145	-.1759	.0739	.1189	-.0531	-.0789	0.
.3350	-182.	313.	266.	0.	-0.	-0.	-.0089	-.1705	.0711	.1090	-.0545	-.0676	0.
.3360	-233.	428.	457.	0.	0.	-0.	-.0030	-.1656	.0678	.1011	-.0577	-.0582	0.
.3370	-259.	470.	669.	-0.	-0.	0.	.0031	-.1614	.0639	.0954	-.0609	-.0510	0.
.3380	-269.	443.	835.	-0.	-0.	0.	.0097	-.1579	.0589	.0921	-.0619	-.0461	0.
.3390	-280.	348.	895.	-0.	0.	-0.	.0166	-.1551	.0526	.0911	-.0589	-.0435	0.
.3400	-246.	192.	848.	-0.	0.	-0.	.0239	-.1528	.0449	.0919	-.0510	-.0431	0.
.3410	-153.	-1.	708.	0.	0.	-0.	.0316	-.1507	.0361	.0938	-.0384	-.0442	0.
.3420	-56.	-196.	474.	-0.	-0.	0.	.0394	-.1486	.0261	.0957	-.0220	-.0457	0.
.3430	31.	-363.	184.	-0.	-0.	-0.	.0473	-.1462	.0155	.0967	-.0035	-.0468	0.
.3440	137.	-487.	-102.	0.	0.	-0.	.0550	-.1431	.0047	.0961	.0152	-.0469	0.
.3450	247.	-566.	-360.	-0.	0.	-0.	.0625	-.1394	-.0059	.0934	.0330	-.0461	0.
.3460	335.	-595.	-584.	-0.	0.	0.	.0696	-.1347	-.0158	.0884	.0488	-.0443	0.
.3470	419.	-564.	-751.	-0.	0.	0.	.0760	-.1291	-.0249	.0808	.0618	-.0412	0.
.3480	507.	-472.	-853.	-0.	0.	-0.	.0818	-.1227	-.0327	.0709	.0718	-.0371	0.
.3490	575.	-334.	-906.	0.	0.	-0.	.0868	-.1155	-.0392	.0592	.0788	-.0323	0.
.3500	624.	-176.	-912.	-0.	0.	-0.	.0908	-.1079	-.0443	.0464	.0826	-.0279	0.
.3510	665.	-23.	-860.	0.	0.	-0.	.0938	-.1000	-.0480	.0336	.0832	-.0244	0.
.3520	676.	113.	-765.	-0.	0.	-0.	.0958	-.0921	-.0504	.0214	.0810	-.0222	0.
.3530	649.	220.	-642.	0.	0.	-0.	.0967	-.0845	-.0516	.0106	.0763	-.0216	0.

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.3420	-56.	-196.	474.	-0.	-0.	0.	.0394	-.1486	.0261	.0957	-.0220	-.0457	0.
.3430	31.	-363.	184.	-0.	-0.	-0.	.0473	-.1462	.0155	.0967	-.0035	-.0468	0.
.3440	137.	-487.	-102.	0.	0.	-0.	.0550	-.1431	.0047	.0961	.0152	-.0469	0.
.3450	247.	-566.	-360.	-0.	0.	-0.	.0625	-.1394	-.0059	.0934	.0330	-.0461	0.
.3460	335.	-595.	-584.	-0.	0.	0.	.0696	-.1347	-.0158	.0884	.0488	-.0443	0.
.3470	419.	-564.	-751.	-0.	0.	0.	.0760	-.1291	-.0249	.0808	.0618	-.0412	0.
.3480	507.	-472.	-853.	-0.	0.	-0.	.0818	-.1227	-.0327	.0709	.0718	-.0371	0.
.3490	575.	-334.	-906.	0.	0.	-0.	.0868	-.1155	-.0392	.0592	.0788	-.0323	0.
.3500	624.	-176.	-912.	-0.	0.	-0.	.0908	-.1079	-.0443	.0464	.0826	-.0279	0.
.3510	665.	-23.	-860.	0.	0.	-0.	.0938	-.1000	-.0480	.0336	.0832	-.0244	0.
.3520	676.	113.	-765.	-0.	0.	-0.	.0958	-.0921	-.0504	.0214	.0810	-.0222	0.
.3530	649.	220.	-642.	0.	0.	-0.	.0967	-.0845	-.0516	.0106	.0763	-.0216	0.

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SECTION 17 MEMBER 2 SEQUENCE 853 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)
.3540	616.	285.	-498.	0.	0.	-0.	.0966	-.0771	-.0519	.0018	.0700	-.0228	0.
.3550	591.	298.	-361.	-0.	0.	0.	.0956	-.0702	-.0514	-.0046	.0635	-.0259	0.
.3560	564.	258.	-274.	-0.	0.	0.	.0936	-.0637	-.0504	-.0084	.0581	-.0308	0.
.3570	556.	176.	-248.	-0.	0.	0.	.0907	-.0577	-.0489	-.0098	.0545	-.0369	0.
.3580	590.	62.	-279.	0.	0.	-0.	.0870	-.0518	-.0471	-.0092	.0530	-.0437	0.
.3590	641.	-71.	-368.	0.	-0.	-0.	.0823	-.0461	-.0449	-.0072	.0532	-.0506	0.
.3600	688.	-210.	-492.	-0.	0.	0.	.0766	-.0402	-.0421	-.0044	.0539	-.0570	0.
.3610	734.	-339.	-604.	0.	0.	-0.	.0699	-.0340	-.0386	-.0018	.0535	-.0623	0.
.3620	758.	-441.	-670.	0.	0.	-0.	.0621	-.0272	-.0341	.0000	.0506	-.0660	0.
.3630	727.	-503.	-677.	-0.	0.	-0.	.0531	-.0198	-.0286	.0003	.0440	-.0675	0.
.3640	651.	-517.	-606.	-0.	-0.	-0.	.0430	-.0116	-.0222	-.0015	.0332	-.0666	0.
.3650	546.	-475.	-455.	-0.	0.	0.	.0319	-.0026	-.0148	-.0056	.0185	-.0631	0.
.3660	393.	-374.	-253.	0.	0.	-0.	.0201	.0071	-.0069	-.0121	.0008	-.0569	0.
.3670	190.	-218.	-26.	-0.	-0.	0.	.0077	.0173	.0014	-.0207	-.0190	-.0483	0.
.3680	-23.	-21.	221.	0.	-0.	-0.	-.0049	.0278	.0097	-.0309	-.0396	-.0378	0.
.3690	-231.	194.	473.	-0.	-0.	0.	-.0174	.0383	.0175	-.0418	-.0598	-.0263	0.
.3700	-444.	398.	697.	-0.	-0.	0.	-.0295	.0485	.0246	-.0525	-.0785	-.0148	0.
.3710	-645.	570.	882.	0.	-0.	0.	-.0409	.0580	.0305	-.0625	-.0943	-.0042	0.
.3720	-802.	698.	1023.	-0.	-0.	0.	-.0512	.0666	.0350	-.0710	-.1063	.0049	0.
.3730	-917.	775.	1094.	0.	-0.	-0.	-.0603	.0741	.0379	-.0777	-.1135	.0122	0.
.3740	-992.	794.	1073.	0.	-0.	-0.	-.0679	.0804	.0391	-.0823	-.1151	.0174	0.
.3750	-1005.	751.	965.	0.	-0.	-0.	-.0739	.0855	.0387	-.0848	-.1108	.0203	0.
.3760	-957.	657.	781.	0.	-0.	-0.	-.0784	.0894	.0368	-.0853	-.1012	.0212	0.
.3770	-878.	532.	533.	0.	-0.	0.	-.0815	.0924	.0338	-.0843	-.0875	.0207	0.
.3780	-784.	396.	262.	0.	-0.	-0.	-.0832	.0945	.0300	-.0823	-.0716	.0196	0.
.3790	-675.	254.	17.	-0.	-0.	0.	-.0837	.0961	.0258	-.0797	-.0554	.0181	0.
.3800	-575.	107.	-169.	0.	-0.	-0.	-.0832	.0973	.0216	-.0768	-.0408	.0165	0.
.3810	-509.	-31.	-281.	0.	-0.	0.	-.0818	.0984	.0177	-.0742	-.0290	.0152	0.
.3820	-474.	-138.	-306.	0.	-0.	0.	-.0796	.0995	.0143	-.0723	-.0207	.0153	0.
.3830	-460.	-192.	-248.	-0.	-0.	0.	-.0768	.1008	.0113	-.0715	-.0157	.0173	0.
.3840	-466.	-190.	-138.	0.	-0.	0.	-.0732	.1025	.0087	-.0719	-.0131	.0217	0.
.3850	-479.	-142.	-4.	0.	-0.	-0.	-.0690	.1044	.0063	-.0735	-.0120	.0280	0.
.3860	-474.	-62.	135.	0.	-0.	-0.	-.0640	.1066	.0039	-.0757	-.0112	.0360	0.
.3870	-451.	41.	260.	-0.	-0.	0.	-.0583	.1088	.0013	-.0781	-.0100	.0453	0.
.3880	-414.	154.	357.	-0.	-0.	0.	-.0519	.1109	-.0018	-.0804	-.0079	.0554	0.
.3890	-358.	257.	421.	0.	-0.	0.	-.0450	.1128	-.0053	-.0820	-.0045	.0654	0.
.3900	-281.	326.	449.	0.	0.	0.	-.0375	.1143	-.0095	-.0822	.0005	.0746	0.
.3910	-186.	352.	430.	0.	0.	-0.	-.0297	.1153	-.0144	-.0809	.0074	.0826	0.

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.3800	-577.	-87.	-[illegible].	0.	-0.	-0.	-.0832	.0975	.0216	-.0768	-.0408	.0165	0.
.3810	-509.	-31.	-261.	0.	-0.	0.	-.0818	.0984	.0177	-.0742	-.0290	.0152	0.
.3820	-474.	-138.	-306.	0.	-0.	0.	-.0796	.0995	.0143	-.0723	-.0207	.0153	0.
.3830	-460.	-192.	-248.	-0.	-0.	0.	-.0768	.1008	.0113	-.0715	-.0157	.0173	0.
.3840	-466.	-190.	-138.	0.	-0.	0.	-.0732	.1025	.0087	-.0719	-.0131	.0217	0.
.3850	-479.	-142.	-4.	0.	-0.	-0.	-.0690	.1044	.0063	-.0735	-.0120	.0280	0.
.3860	-474.	-62.	135.	0.	-0.	-0.	-.0640	.1066	.0039	-.0757	-.0112	.0360	0.
.3870	-451.	41.	260.	-0.	-0.	0.	-.0583	.1088	.0013	-.0781	-.0100	.0453	0.
.3880	-414.	154.	357.	-0.	-0.	0.	-.0519	.1109	-.0018	-.0804	-.0079	.0554	0.
.3890	-358.	257.	421.	0.	-0.	0.	-.0450	.1128	-.0053	-.0820	-.0045	.0654	0.
.3900	-281.	326.	449.	0.	0.	0.	-.0375	.1143	-.0095	-.0822	.0005	.0746	0.
.3910	-186.	352.	430.	0.	0.	-0.	-.0297	.1153	-.0144	-.0809	.0074	.0826	0.

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

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SECTION 17 MEMBER 2 SEQUENCE 853 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)
.3920	-75.	347.	359.	0.	0.	0.	-.0216	.1157	-.0199	-.0781	.0164	.0894	0.
.3930	58.	322.	236.	-0.	-0.	0.	-.0134	.1156	-.0260	-.0742	.0275	.0952	0.
.3940	210.	276.	60.	0.	-0.	-0.	-.0054	.1150	-.0323	-.0695	.0405	.0998	0.
.3950	375.	204.	-158.	0.	0.	0.	.0022	.1141	-.0387	-.0641	.0549	.1029	0.
.3960	544.	114.	-390.	-0.	0.	0.	.0092	.1128	-.0447	-.0584	.0593	.1047	0.
.3970	695.	29.	-606.	0.	0.	-0.	.0153	.1113	-.0502	-.0530	.0824	.1058	0.
.3980	808.	-34.	-775.	0.	0.	-0.	.0203	.1098	-.0546	-.0484	.0926	.1067	0.
.3990	879.	-73.	-872.	0.	0.	-0.	.0241	.1084	-.0578	-.0447	.0989	.1075	0.
.4000	912.	-94.	-888.	0.	-0.	-0.	.0265	.1071	-.0597	-.0419	.1011	.1080	0.

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)
.2880	-755.	486.	706.	0.	-0.	-0.	-.0780	.1375	.0259	-.0990	-.1088	.0503	0.

SECTION 18 MEMBER 1 SEQUENCE 807 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	4.	-8.	6.	-2.	-2.	1.	-.0000	-.0000	-.0000	.0000	.0000	-.0000	4.
.0020	29.	-55.	36.	-15.	-12.	7.	-.0000	-.0000	-.0002	.0001	.0002	-.0000	28.
.0030	80.	-155.	90.	-29.	-41.	11.	-.0000	-.0000	-.0006	.0002	.0004	-.0001	72.
.0040	154.	-285.	155.	-23.	-91.	2.	-.0000	.0001	-.0013	.0003	.0008	-.0000	133.
.0050	237.	-416.	217.	22.	-159.	-28.	-.0001	.0004	-.0023	.0002	.0013	.0001	230.
.0060	305.	-565.	242.	96.	-232.	-75.	-.0002	.0008	-.0036	-.0000	.0019	.0002	370.
.0070	375.	-805.	210.	168.	-350.	-127.	-.0004	.0014	-.0055	-.0004	.0026	.0003	576.
.0080	513.	-1199.	106.	230.	-630.	-190.	-.0003	.0021	-.0084	-.0009	.0037	.0005	984.
.0090	748.	-1656.	-152.	351.	-1179.	-310.	.0003	.0032	-.0126	-.0020	.0053	.0008	1792.
.0100	1122.	-2011.	-493.	613.	-2001.	-528.	.0017	.0052	-.0180	-.0044	.0073	.0015	3049.
.0110	1657.	-2194.	-752.	1004.	-3009.	-824.	.0041	.0079	-.0244	-.0084	.0099	.0026	4629.
.0120	2225.	-2269.	-936.	1427.	-4038.	-1118.	.0075	.0111	-.0314	-.0141	.0129	.0040	6252.
.0130	2583.	-2273.	-1215.	1797.	-4893.	-1326.	.0117	.0147	-.0384	-.0214	.0156	.0054	7597.
.0140	2500.	-2074.	-1801.	2117.	-5417.	-1422.	.0166	.0184	-.0447	-.0306	.0173	.0069	8457.
.0150	1860.	-1311.	-2815.	2424.	-5514.	-1419.	.0221	.0225	-.0494	-.0421	.0174	.0086	8741.

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