



INDIANA AND MICHIGAN POWER
D. C. COOK NUCLEAR PLANT
UPDATED FINAL SAFETY ANALYSIS
REPORT

Revision: 17.1

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TABLE 14.3.4-16

DOUBLE-ENDED SPRAY LINE BREAK

MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
.00000	0.	0.
.00101	1.8429935E+03	1.2012554E+06
.00201	2.0768869E+03	1.3312080E+06
.00302	2.0954232E+03	1.3410507E+06
.00401	2.0943466E+03	1.3398926E+06
.00502	2.0906198E+03	1.3372569E+06
.00600	2.0847010E+03	1.3334349E+06
.00703	2.0776894E+03	1.3290038E+06
.00800	2.0718446E+03	1.3252736E+06
.00901	2.0684832E+03	1.3229372E+06
.01000	2.0667746E+03	1.3215515E+06
.01102	2.0657651E+03	1.3205642E+06
.01200	2.0657312E+03	1.3202011E+06
.01301	2.0710642E+03	1.3227266E+06
.01400	2.0895916E+03	1.3326883E+06
.01505	2.1237904E+03	1.3513713E+06
.01605	2.1428041E+03	1.3615888E+06
.01705	2.1327342E+03	1.3556010E+06
.01804	2.1286790E+03	1.3530305E+06
.01905	2.1408255E+03	1.3594780E+06
.02004	2.1330134E+03	1.3547994E+06
.02108	2.1170413E+03	1.3456154E+06
.02207	2.1196063E+03	1.3467887E+06
.02308	2.1314002E+03	1.3530903E+06
.02400	2.1400977E+03	1.3576929E+06
.02501	2.1475536E+03	1.3615802E+06
.02602	2.1559827E+03	1.3660339E+06
.02707	2.1678910E+03	1.3724086E+06
.02804	2.1768474E+03	1.3771613E+06
.02907	2.1816274E+03	1.3795673E+06
.03009	2.1827097E+03	1.3799305E+06
.03107	2.1841837E+03	1.3805245E+06
.03212	2.1872679E+03	1.3820107E+06
.03301	2.1894643E+03	1.3830366E+06
.03411	2.1903771E+03	1.3833149E+06

TABLE 14.3.4-16
DOUBLE-ENDED SPRAY LINE BREAK
MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
.03504	2.1897285E+03	1.3827485E+06
.03607	2.1861418E+03	1.3805329E+06
.03703	2.1786958E+03	1.3761844E+06
.03807	2.1711481E+03	1.3717868E+06
.03906	2.1650758E+03	1.3682259E+06
.04009	2.1587371E+03	1.3645103E+06
.04102	2.1527706E+03	1.3610346E+06
.04212	2.1468107E+03	1.3575467E+06
.04305	2.1432206E+03	1.3554088E+06
.04406	2.1404771E+03	1.3537320E+06
.04510	2.1384998E+03	1.3524847E+06
.04601	2.1374125E+03	1.3517571E+06
.04705	2.1369632E+03	1.3513688E+06
.04809	2.1372622E+03	1.3514036E+06
.04911	2.1379671E+03	1.3516676E+06
.05006	2.1388546E+03	1.3520428E+06
.05108	2.1400630E+03	1.3525916E+06
.05207	2.1411605E+03	1.3530872E+06
.05318	2.1418610E+03	1.3533545E+06
.05404	2.1420277E+03	1.3533548E+06
.05515	2.1419234E+03	1.3531771E+06
.05609	2.1415416E+03	1.3528611E+06
.05711	2.1410383E+03	1.3524782E+06
.05812	2.1409677E+03	1.3523442E+06
.05901	2.1414214E+03	1.3525173E+06
.06004	2.1427085E+03	1.3531458E+06
.06104	2.1448478E+03	1.3542536E+06
.06207	2.1481439E+03	1.3559989E+06
.06303	2.1514351E+03	1.3577536E+06
.06402	2.1550387E+03	1.3596806E+06
.06501	2.1585740E+03	1.3615691E+06
.06604	2.1618098E+03	1.3632912E+06
.06710	2.1647229E+03	1.3648345E+06
.06814	2.1673799E+03	1.3662365E+06
.06905	2.1694828E+03	1.3673439E+06
.07008	2.1716796E+03	1.3684953E+06

TABLE 14.3.4-16

DOUBLE-ENDED SPRAY LINE BREAK

MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
.07111	2.1735789E+03	1.3694836E+06
.07213	2.1750499E+03	1.3702354E+06
.07317	2.1759218E+03	1.3706558E+06
.07412	2.1760897E+03	1.3706871E+06
.07523	2.1755041E+03	1.3702969E+06
.07602	2.1743802E+03	1.3696191E+06
.07705	2.1726900E+03	1.3686222E+06
.07801	2.1708169E+03	1.3675296E+06
.07902	2.1688239E+03	1.3663702E+06
.08006	2.1667850E+03	1.3651854E+06
.08100	2.1651864E+03	1.3642490E+06
.08204	2.1632686E+03	1.3631342E+06
.08306	2.1613432E+03	1.3620171E+06
.08410	2.1593726E+03	1.3608757E+06
.08504	2.1576149E+03	1.3598670E+06
.08603	2.1556593E+03	1.3587375E+06
.08708	2.1538655E+03	1.3576993E+06
.08814	2.1523767E+03	1.3568314E+06
.08915	2.1513646E+03	1.3562298E+06
.09005	2.1510544E+03	1.3560230E+06
.09115	2.1514210E+03	1.3561899E+06
.09214	2.1524508E+03	1.3567285E+06
.09307	2.1540139E+03	1.3575665E+06
.09405	2.1562098E+03	1.3587565E+06
.09504	2.1589196E+03	1.3602332E+06
.09601	2.1619926E+03	1.3619135E+06
.09712	2.1660659E+03	1.3641459E+06
.09811	2.1700593E+03	1.3663392E+06
.09910	2.1743398E+03	1.3686932E+06
.10011	2.1788810E+03	1.3711929E+06
.10505	2.1997980E+03	1.3827080E+06
.11017	2.2084042E+03	1.3873725E+06
.11511	2.1979605E+03	1.3814517E+06
.12010	2.1755220E+03	1.3688892E+06
.12501	2.1516732E+03	1.3555705E+06
.13001	2.1350205E+03	1.3462681E+06

TABLE 14.3.4-16
DOUBLE-ENDED SPRAY LINE BREAK
MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
.13501	2.1319480E+03	1.3445234E+06
.14009	2.1415298E+03	1.3498034E+06
.14510	2.1540075E+03	1.3566900E+06
.15015	2.1608228E+03	1.3604378E+06
.15500	2.1603593E+03	1.3601520E+06
.16007	2.1547404E+03	1.3570065E+06
.16515	2.1446526E+03	1.3513889E+06
.17002	2.1327374E+03	1.3447619E+06
.17509	2.1250311E+03	1.3404793E+06
.18010	2.1255323E+03	1.3407503E+06
.18500	2.1307501E+03	1.3436315E+06
.19010	2.1359241E+03	1.3464861E+06
.19507	2.1377315E+03	1.3474736E+06
.20008	2.1357354E+03	1.3463523E+06
.21002	2.1305966E+03	1.3434798E+06
.22009	2.1455142E+03	1.3517412E+06
.23010	2.1609519E+03	1.3602792E+06
.24007	2.1500994E+03	1.3542251E+06
.25001	2.1319210E+03	1.3441210E+06
.26002	2.1212847E+03	1.3437534E+06
.27006	2.1408201E+03	1.3490219E+06
.28015	2.1382240E+03	1.3475602E+06
.29011	2.1219655E+03	1.3385282E+06
.30028	2.1125694E+03	1.3333092E+06
.31011	2.1146636E+03	1.3344534E+06
.32004	2.1134582E+03	1.3337664E+06
.33005	2.1102424E+03	1.3319670E+06
.34002	2.1162685E+03	1.3352858E+06
.35002	2.1252674E+03	1.3402496E+06
.36002	2.1249488E+03	1.3400427E+06
.37007	2.1182970E+03	1.3363273E+06
.38010	2.1179299E+03	1.3360961E+06
.39027	2.1241025E+03	1.3394390E+06
.40003	2.1244819E+03	1.3396673E+06
.41001	2.1157197E+03	1.3347842E+06
.42004	2.1079031E+03	1.3304251E+06

TABLE 14.3.4-16
DOUBLE-ENDED SPRAY LINE BREAK
MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
.43006	2.1057949E+03	1.3292307E+06
.44011	2.1038434E+03	1.3281221E+06
.45008	2.1005501E+03	1.3262686E+06
.46002	2.1008990E+03	1.3264325E+06
.47013	2.1046381E+03	1.3284716E+06
.48001	2.1065466E+03	1.3294937E+06
.49011	2.1055653E+03	1.3289117E+06
.50010	2.1065499E+03	1.3294210E+06
.51005	2.1109307E+03	1.3318103E+06
.52014	2.1132353E+03	1.3330479E+06
.53006	2.1104929E+03	1.3314882E+06
.54010	2.1067324E+03	1.3293690E+06
.55002	2.1047031E+03	1.3282077E+06
.56003	2.1025984E+03	1.3270031E+06
.57000	2.0994619E+03	1.3252280E+06
.58000	2.0974864E+03	1.3240966E+06
.59023	2.0978998E+03	1.3242862E+06
.60010	2.0987566E+03	1.3247206E+06
.61005	2.0988030E+03	1.3247041E+06
.62019	2.0998437E+03	1.3252383E+06
.63007	2.1029363E+03	1.3269102E+06
.64009	2.1057724E+03	1.3284358E+06
.65011	2.1063355E+03	1.3287028E+06
.66008	2.1058521E+03	1.3283898E+06
.67006	2.1056166E+03	1.3282154E+06
.68003	2.1048258E+03	1.3277315E+06
.69009	2.1027606E+03	1.3265436E+06
.70006	2.1004766E+03	1.3252341E+06
.71021	2.0994186E+03	1.3246041E+06
.72013	2.0991217E+03	1.3243955E+06
.73018	2.0986674E+03	1.3240994E+06
.74006	2.0987148E+03	1.3240815E+06
.75009	2.1001279E+03	1.3248191E+06
.76008	2.1022067E+03	1.3259240E+06
.77007	2.1038110E+03	1.3267654E+06
.78001	2.1049477E+03	1.3273479E+06

TABLE 14.3.4-16
DOUBLE-ENDED SPRAY LINE BREAK
MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
.79005	2.1060244E+03	1.3278975E+06
.80008	2.1065644E+03	1.3281484E+06
.81002	2.1059659E+03	1.3277697E+06
.82003	2.1046670E+03	1.3270043E+06
.83006	2.1036100E+03	1.3263731E+06
.84009	2.1028557E+03	1.3259083E+06
.85013	2.1019975E+03	1.3253876E+06
.86002	2.1012207E+03	1.3249123E+06
.87004	2.1011387E+03	1.3248209E+06
.88001	2.1018523E+03	1.3251709E+06
.89009	2.1029599E+03	1.3257378E+06
.90001	2.1041960E+03	1.3263762E+06
.92003	2.1066767E+03	1.3276561E+06
.93004	2.1070790E+03	1.3278333E+06
.94009	2.1068436E+03	1.3276548E+06
.95015	2.1064606E+03	1.3273966E+06
.91007	2.1055640E+03	1.3270867E+06
.96022	2.1060345E+03	1.3271155E+06
.97001	2.1052992E+03	1.3266634E+06
.98005	2.1042714E+03	1.3260489E+06
.99010	2.1033853E+03	1.3255134E+06
1.00003	2.1030192E+03	1.3252670E+06
1.00015	2.1030185E+03	1.3252660E+06
1.01010	2.1031598E+03	1.3252999E+06
1.02001	2.1036738E+03	1.3255407E+06
1.03002	2.1044850E+03	1.3259460E+06
1.04010	2.1053738E+03	1.3263933E+06
1.05011	2.1060053E+03	1.3266987E+06
1.06006	2.1063215E+03	1.3268299E+06
1.07003	2.1065103E+03	1.3268901E+06
1.08001	2.1065562E+03	1.3268717E+06
1.09002	2.1062535E+03	1.3266603E+06
1.10005	2.1054973E+03	1.3261987E+06
1.11001	2.1045159E+03	1.3256120E+06
1.12004	2.1036583E+03	1.3250948E+06
1.13020	2.1030886E+03	1.3247376E+06

TABLE 14.3.4-16
DOUBLE-ENDED SPRAY LINE BREAK
MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
1.14007	2.1028399E+03	1.3245581E+06
1.15004	2.1028392E+03	1.3245158E+06
1.16002	2.1030452E+03	1.3245891E+06
1.17008	2.1033358E+03	1.3247086E+06
1.18009	2.1036084E+03	1.3248175E+06
1.19008	2.1038945E+03	1.3249345E+06
1.20005	2.1041572E+03	1.3250391E+06
1.21005	2.1041987E+03	1.3250213E+06
1.22004	2.1038425E+03	1.3247830E+06
1.23001	2.1031332E+03	1.3243498E+06
1.24003	2.1022976E+03	1.3238470E+06
1.25007	2.1014833E+03	1.3233569E+06
1.26010	2.1007977E+03	1.3229378E+06
1.27007	2.1002438E+03	1.3225929E+06
1.28000	2.0998158E+03	1.3223173E+06
1.29006	2.0995386E+03	1.3221250E+06
1.30006	2.0993915E+03	1.3220048E+06
1.31013	2.0994058E+03	1.3219736E+06
1.32023	2.0995298E+03	1.3220039E+06
1.33005	2.0995986E+03	1.3220040E+06
1.34003	2.0994684E+03	1.3218931E+06
1.35003	2.0990790E+03	1.3216402E+06
1.36003	2.0984545E+03	1.3212564E+06
1.37021	2.0977429E+03	1.3208245E+06
1.38008	2.0969880E+03	1.3203695E+06
1.39003	2.0962009E+03	1.3198970E+06
1.40007	2.0954355E+03	1.3194364E+06
1.41000	2.0947605E+03	1.3190272E+06
1.42008	2.0941729E+03	1.3186648E+06
1.43000	2.0937703E+03	1.3184063E+06
1.44009	2.0935338E+03	1.3182384E+06
1.45002	2.0933865E+03	1.3181211E+06
1.46007	2.0932071E+03	1.3179859E+06
1.47003	2.0929094E+03	1.3177850E+06
1.48002	2.0924851E+03	1.3175144E+06
1.49013	2.0919562E+03	1.3171856E+06

TABLE 14.3.4-16
DOUBLE-ENDED SPRAY LINE BREAK
MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
1.50005	2.0913287E+03	1.3168027E+06
1.51010	2.0906026E+03	1.3163655E+06
1.52003	2.0897881E+03	1.3158794E+06
1.53000	2.0889400E+03	1.3153753E+06
1.54004	2.0881300E+03	1.3148919E+06
1.55003	2.0874180E+03	1.3144632E+06
1.56002	2.0868363E+03	1.3141071E+06
1.57009	2.0863657E+03	1.3138119E+06
1.58003	2.0859830E+03	1.3135658E+06
1.59008	2.0856058E+03	1.3133222E+06
1.60014	2.0852041E+03	1.3130654E+06
1.61003	2.0847664E+03	1.3127889E+06
1.62002	2.0842650E+03	1.3124767E+06
1.63000	2.0836788E+03	1.3121187E+06
1.64000	2.0829808E+03	1.3116980E+06
1.65005	2.0822069E+03	1.3112361E+06
1.66001	2.0813530E+03	1.3107288E+06
1.67010	2.0805367E+03	1.3102429E+06
1.68013	2.0797667E+03	1.3097828E+06
1.69008	2.0790890E+03	1.3093745E+06
1.70008	2.0784817E+03	1.3090042E+06
1.71005	2.0779442E+03	1.3086733E+06
1.72006	2.0774536E+03	1.3083681E+06
1.73003	2.0769919E+03	1.3080787E+06
1.74005	2.0765358E+03	1.3077923E+06
1.75017	2.0760313E+03	1.3074793E+06
1.76021	2.0754782E+03	1.3071398E+06
1.77003	2.0748364E+03	1.3067506E+06
1.78009	2.0741177E+03	1.3063189E+06
1.79004	2.0733817E+03	1.3058784E+06
1.80001	2.0725989E+03	1.3054116E+06
1.81000	2.0718428E+03	1.3049592E+06
1.82003	2.0711342E+03	1.3045334E+06
1.83004	2.0704825E+03	1.3041393E+06
1.84005	2.0698712E+03	1.3037673E+06
1.85006	2.0693256E+03	1.3034315E+06

TABLE 14.3.4-16
DOUBLE-ENDED SPRAY LINE BREAK
MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
1.86007	2.0688391E+03	1.3031290E+06
1.87004	2.0683537E+03	1.3028266E+06
1.88007	2.0678600E+03	1.3025183E+06
1.89005	2.0673398E+03	1.3021967E+06
1.90017	2.0667719E+03	1.3018481E+06
1.91001	2.0661520E+03	1.3014713E+06
1.92008	2.0654916E+03	1.3010717E+06
1.93007	2.0647986E+03	1.3006537E+06
1.94002	2.0641131E+03	1.3002406E+06
1.95002	2.0634306E+03	1.2998286E+06
1.96004	2.0627835E+03	1.2994362E+06
1.97001	2.0621900E+03	1.2990740E+06
1.98001	2.0616378E+03	1.2987343E+06
1.99001	2.0611133E+03	1.2984091E+06
2.00006	2.0606351E+03	1.2981098E+06
2.01017	2.0601755E+03	1.2978210E+06
2.02002	2.0596908E+03	1.2975184E+06
2.03010	2.0591909E+03	1.2972067E+06
2.04002	2.0586654E+03	1.2968812E+06
2.05018	2.0581050E+03	1.2965364E+06
2.06005	2.0575012E+03	1.2961667E+06
2.07004	2.0568982E+03	1.2957985E+06
2.08009	2.0562820E+03	1.2954219E+06
2.09012	2.0556887E+03	1.2950588E+06
2.10002	2.0551138E+03	1.2947052E+06
2.11010	2.0545765E+03	1.2943725E+06
2.12013	2.0540837E+03	1.2940645E+06
2.13010	2.0536205E+03	1.2937729E+06
2.14019	2.0531798E+03	1.2934939E+06
2.15007	2.0527452E+03	1.2932172E+06
2.16008	2.0523014E+03	1.2929356E+06
2.17003	2.0518411E+03	1.2926450E+06
2.18009	2.0513588E+03	1.2923422E+06
2.19004	2.0508552E+03	1.2920279E+06
2.20009	2.0503249E+03	1.2916980E+06
2.21011	2.0497884E+03	1.2913649E+06

**TABLE 14.3.4-16
DOUBLE-ENDED SPRAY LINE BREAK
MASS AND ENERGY RELEASES**

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
2.22017	2.0492528E+03	1.2910321E+06
2.23014	2.0487253E+03	1.2907039E+06
2.24005	2.0482384E+03	1.2903987E+06
2.25001	2.0477626E+03	1.2900986E+06
2.26009	2.0473225E+03	1.2898187E+06
2.27004	2.0468923E+03	1.2895433E+06
2.28001	2.0465016E+03	1.2892908E+06
2.29005	2.0460991E+03	1.2890308E+06
2.30001	2.0456898E+03	1.2887674E+06
2.31012	2.0452463E+03	1.2884848E+06
2.32007	2.0448340E+03	1.2882196E+06
2.33014	2.0443954E+03	1.2879401E+06
2.34004	2.0439367E+03	1.2876484E+06
2.35001	2.0434889E+03	1.2873633E+06
2.36011	2.0430542E+03	1.2870850E+06
2.37008	2.0426322E+03	1.2868139E+06
2.38012	2.0422433E+03	1.2865609E+06
2.39005	2.0418693E+03	1.2863161E+06
2.40004	2.0415246E+03	1.2860877E+06
2.41008	2.0412113E+03	1.2858761E+06
2.42005	2.0408975E+03	1.2856645E+06
2.43008	2.0406149E+03	1.2854698E+06
2.44013	2.0403182E+03	1.2852674E+06
2.45001	2.0400192E+03	1.2850640E+06
2.46020	2.0397042E+03	1.2848514E+06
2.47007	2.0393890E+03	1.2846382E+06
2.48001	2.0390787E+03	1.2844277E+06
2.49005	2.0387565E+03	1.2842108E+06
2.50017	2.0384506E+03	1.2840029E+06
2.51008	2.0381551E+03	1.2838008E+06
2.52000	2.0378823E+03	1.2836107E+06
2.53003	2.0376188E+03	1.2834258E+06
2.54003	2.0373717E+03	1.2832502E+06
2.55004	2.0371414E+03	1.2830827E+06
2.56007	2.0369174E+03	1.2829200E+06
2.57007	2.0367206E+03	1.2827722E+06

TABLE 14.3.4-16
DOUBLE-ENDED SPRAY LINE BREAK
MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
2.58005	2.0365020E+03	1.2826116E+06
2.59008	2.0362817E+03	1.2824507E+06
2.60014	2.0360644E+03	1.2822909E+06
2.61006	2.0358300E+03	1.2821214E+06
2.62001	2.0355880E+03	1.2819481E+06
2.63008	2.0353598E+03	1.2817817E+06
2.64006	2.0351206E+03	1.2816095E+06
2.65009	2.0349045E+03	1.2814499E+06
2.66003	2.0346896E+03	1.2812913E+06
2.67013	2.0344844E+03	1.2811382E+06
2.68004	2.0342912E+03	1.2809913E+06
2.69000	2.0341169E+03	1.2808550E+06
2.70009	2.0339484E+03	1.2807220E+06
2.71006	2.0337700E+03	1.2805830E+06
2.72003	2.0335952E+03	1.2804464E+06
2.73003	2.0334197E+03	1.2803093E+06
2.74018	2.0332272E+03	1.2801628E+06
2.75014	2.0330332E+03	1.2800152E+06
2.76007	2.0328279E+03	1.2798616E+06
2.77002	2.0326244E+03	1.2797091E+06
2.78002	2.0324222E+03	1.2795567E+06
2.79008	2.0322290E+03	1.2794097E+06
2.80006	2.0320428E+03	1.2792666E+06
2.81009	2.0318584E+03	1.2791244E+06
2.82006	2.0316917E+03	1.2789921E+06
2.83006	2.0315113E+03	1.2788520E+06
2.84015	2.0313383E+03	1.2787161E+06
2.85005	2.0311662E+03	1.2785814E+06
2.86003	2.0309809E+03	1.2784384E+06
2.87004	2.0307972E+03	1.2782965E+06
2.88006	2.0306091E+03	1.2781518E+06
2.89010	2.0304103E+03	1.2780018E+06
2.90019	2.0302106E+03	1.2778513E+06
2.91001	2.0299968E+03	1.2776931E+06
2.92007	2.0297956E+03	1.2775412E+06
2.93007	2.0295874E+03	1.2773863E+06

TABLE 14.3.4-16

DOUBLE-ENDED SPRAY LINE BREAK

MASS AND ENERGY RELEASES

(When using this table, add 15% multiplier to mass & energy results.)

Time (sec)	Mass (lb/sec)	Energy (BTU/sec)
2.94014	2.0293708E+03	1.2772257E+06
2.95003	2.0291890E+03	1.2770853E+06
2.96002	2.0289876E+03	1.2769341E+06
2.97013	2.0287920E+03	1.2767858E+06
2.98010	2.0285960E+03	1.2766370E+06
2.99010	2.0283918E+03	1.2764839E+06
3.00017	2.0281887E+03	1.2763315E+06