

# APPENDIX B—ITEM PARAMETERS

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**Table B-1. 2004–2008 MEPA:  
Item Parameters—Grade Span 3–4, Fall 2004**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181807      | 1             | 1.0      | -2.3326  |           |           |           |           |           |
| 181738      | 1             | 1.0      | -1.7830  |           |           |           |           |           |
| 206698      | 1             | 1.0      | -1.1680  |           |           |           |           |           |
| 181762      | 1             | 1.0      | -1.6581  |           |           |           |           |           |
| 181832      | 1             | 1.0      | -2.0163  |           |           |           |           |           |
| 181848      | 1             | 1.0      | -2.2506  |           |           |           |           |           |
| 181846      | 1             | 1.0      | -1.7373  |           |           |           |           |           |
| 206701      | 1             | 1.0      | -0.7729  |           |           |           |           |           |
| 206705      | 1             | 1.0      | -0.1858  |           |           |           |           |           |
| 206704      | 1             | 1.0      | -0.3689  |           |           |           |           |           |
| 206706      | 2             | 1.0      | -0.9288  | -0.0163   | 0.0163    |           |           |           |
| 189518      | 2             | 1.0      | -0.8451  | -0.5911   | 0.5911    |           |           |           |
| 189521      | 2             | 1.0      | -0.6431  | 0.1012    | -0.1012   |           |           |           |
| 184177      | 1             | 1.0      | -0.6211  |           |           |           |           |           |
| 206707      | 1             | 1.0      | -0.1460  |           |           |           |           |           |
| 184184      | 1             | 1.0      | -0.9111  |           |           |           |           |           |
| 184185      | 1             | 1.0      | -0.3684  |           |           |           |           |           |
| 206708      | 1             | 1.0      | -0.4526  |           |           |           |           |           |
| 182772      | 1             | 1.0      | 0.2145   |           |           |           |           |           |
| 182776      | 1             | 1.0      | -0.5457  |           |           |           |           |           |
| 182775      | 1             | 1.0      | -0.1975  |           |           |           |           |           |
| 182773      | 1             | 1.0      | -0.1810  |           |           |           |           |           |
| 208007      | 1             | 1.0      | 0.1644   |           |           |           |           |           |
| 184191      | 2             | 1.0      | -0.1464  | 0.3478    | -0.3478   |           |           |           |
| 182786      | 2             | 1.0      | 0.0071   | 0.2446    | -0.2446   |           |           |           |
| 182784      | 2             | 1.0      | -0.5232  | -0.6826   | 0.6826    |           |           |           |
| 190098      | 1             | 1.0      | 0.0363   |           |           |           |           |           |
| 190119      | 1             | 1.0      | 0.1108   |           |           |           |           |           |
| 190121      | 1             | 1.0      | -0.5656  |           |           |           |           |           |
| 190103      | 1             | 1.0      | -0.7886  |           |           |           |           |           |
| 190112      | 1             | 1.0      | -0.2624  |           |           |           |           |           |
| 183551      | 1             | 1.0      | -0.7153  |           |           |           |           |           |
| 183555      | 1             | 1.0      | -0.2607  |           |           |           |           |           |
| 206709      | 1             | 1.0      | -0.7948  |           |           |           |           |           |
| 183554      | 1             | 1.0      | -0.9523  |           |           |           |           |           |
| 183557      | 1             | 1.0      | -0.3121  |           |           |           |           |           |
| 190137      | 2             | 1.0      | 0.2034   | 0.5052    | -0.5052   |           |           |           |
| 183563      | 4             | 1.0      | 0.7913   | 1.1423    | 0.6777    | -0.5474   | -1.2726   |           |
| 184775      | 1             | 1.0      | -1.5861  |           |           |           |           |           |
| 206699      | 1             | 1.0      | -1.3912  |           |           |           |           |           |
| 185550      | 1             | 1.0      | -1.6240  |           |           |           |           |           |
| 187896      | 1             | 1.0      | -1.4913  |           |           |           |           |           |
| 187916      | 1             | 1.0      | -1.2126  |           |           |           |           |           |
| 187890      | 1             | 1.0      | -1.4242  |           |           |           |           |           |
| 185589      | 2             | 1.0      | -1.0943  | -1.0888   | 1.0888    |           |           |           |
| 185579      | 2             | 1.0      | -1.0849  | -0.3847   | 0.3847    |           |           |           |
| 208205      | 2             | 1.0      | -0.9432  | -0.1235   | 0.1235    |           |           |           |
| 184789      | 2             | 1.0      | -0.2879  | 0.4704    | -0.4704   |           |           |           |
| 184801      | 1             | 1.0      | -0.7869  |           |           |           |           |           |

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| Item   | Points | A   | B        | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|----------|--------|---------|---------|---------|---------|
| 185593 | 1      | 1.0 | -1.3203  |        |         |         |         |         |
| 185602 | 1      | 1.0 | -1.4541  |        |         |         |         |         |
| 185614 | 1      | 1.0 | -0.6200  |        |         |         |         |         |
| 185630 | 2      | 1.0 | -0.8992  | 0.1335 | -0.1335 |         |         |         |
| 185632 | 2      | 1.0 | -0.7715  | 0.1798 | -0.1798 |         |         |         |
| 185629 | 2      | 1.0 | -0.5116  | 0.3271 | -0.3271 |         |         |         |
| 185636 | 4      | 1.0 | 0.1116   | 1.1379 | 0.6962  | -0.7058 | -1.1283 |         |
| 185639 | 1      | 1.0 | 0.0096   |        |         |         |         |         |
| 185641 | 1      | 1.0 | -0.2722  |        |         |         |         |         |
| 185645 | 1      | 1.0 | 0.0927   |        |         |         |         |         |
| 185646 | 1      | 1.0 | 0.2151   |        |         |         |         |         |
| 184825 | 4      | 1.0 | -0.2095  | 0.5673 | 0.7354  | -0.1666 | -1.1360 |         |
| 185675 | 4      | 1.0 | 0.2472   | 1.1503 | 0.7826  | -0.7547 | -1.1783 |         |
| 186639 | 4      | 1.0 | 0.0744   | 0.7426 | 1.1090  | -0.4354 | -1.4161 |         |
| LisTot | 5      | 1.0 | -0.9649  | 1.1811 | 0.5547  | 0.3140  | -0.5563 | -1.4935 |
| SpeFlu | 5      | 1.0 | -0.79004 | 1.1925 | 0.5867  | 0.1900  | -0.4333 | -1.5359 |
| SpeVoc | 5      | 1.0 | -0.7345  | 1.2934 | 0.6449  | 0.3739  | -0.6122 | -1.7000 |
| SpePro | 5      | 1.0 | -0.8139  | 1.1011 | 0.6888  | 0.2957  | -0.5621 | -1.5236 |
| SpeGra | 5      | 1.0 | -0.6648  | 1.1669 | 0.7967  | 0.1644  | -0.4426 | -1.6854 |

**Table B-2. 2004–2008 MEPA:  
Item Parameters—Grade Span 3–4, Spring 2005**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181804      | 1             | 1.0      | -3.2188  |           |           |           |           |           |
| 182169      | 1             | 1.0      | -2.331   |           |           |           |           |           |
| 181853      | 1             | 1.0      | -2.5512  |           |           |           |           |           |
| 227545      | 1             | 1.0      | -1.7103  |           |           |           |           |           |
| 189528      | 1             | 1.0      | -1.4334  |           |           |           |           |           |
| 215097      | 1             | 1.0      | -1.5228  |           |           |           |           |           |
| 214439      | 1             | 1.0      | -0.0731  |           |           |           |           |           |
| 227546      | 1             | 1.0      | -0.1877  |           |           |           |           |           |
| 189546      | 1             | 1.0      | -1.1743  |           |           |           |           |           |
| 181818      | 1             | 1.0      | -0.3919  |           |           |           |           |           |
| 227547      | 2             | 1.0      | -1.4249  | -0.1562   | 0.1562    |           |           |           |
| 181835      | 2             | 1.0      | -0.9221  | -0.5174   | 0.5174    |           |           |           |
| 189523      | 2             | 1.0      | -0.5241  | -0.5030   | 0.5030    |           |           |           |
| 214440      | 1             | 1.0      | -0.5492  |           |           |           |           |           |
| 182715      | 1             | 1.0      | -0.4445  |           |           |           |           |           |
| 182719      | 1             | 1.0      | -0.3325  |           |           |           |           |           |
| 227548      | 1             | 1.0      | 0.5466   |           |           |           |           |           |
| 215713      | 1             | 1.0      | -0.5158  |           |           |           |           |           |
| 182737      | 1             | 1.0      | -0.5573  |           |           |           |           |           |
| 182730      | 1             | 1.0      | -0.8445  |           |           |           |           |           |
| 182733      | 1             | 1.0      | -0.6936  |           |           |           |           |           |
| 182735      | 1             | 1.0      | -0.9031  |           |           |           |           |           |
| 214441      | 1             | 1.0      | -0.7327  |           |           |           |           |           |
| 182724      | 2             | 1.0      | -0.0367  | -0.1897   | 0.1897    |           |           |           |
| 182744      | 2             | 1.0      | 0.1184   | 0.8381    | -0.8381   |           |           |           |
| 193976      | 2             | 1.0      | -0.0437  | 0.5351    | -0.5351   |           |           |           |
| 183440      | 1             | 1.0      | 0.5212   |           |           |           |           |           |
| 215714      | 1             | 1.0      | -0.6161  |           |           |           |           |           |
| 183434      | 1             | 1.0      | -0.5365  |           |           |           |           |           |
| 215715      | 1             | 1.0      | -0.7722  |           |           |           |           |           |
| 183436      | 1             | 1.0      | -0.0817  |           |           |           |           |           |
| 227549      | 1             | 1.0      | -0.5913  |           |           |           |           |           |
| 187945      | 1             | 1.0      | -0.8991  |           |           |           |           |           |
| 214442      | 1             | 1.0      | -0.9242  |           |           |           |           |           |
| 187944      | 1             | 1.0      | -0.5096  |           |           |           |           |           |
| 187946      | 1             | 1.0      | 0.5338   |           |           |           |           |           |
| 183443      | 2             | 1.0      | 0.0101   | 0.7879    | -0.7879   |           |           |           |
| 214443      | 4             | 1.0      | 0.0865   | 0.9376    | -0.1837   | -0.1520   | -0.6019   |           |
| 184777      | 1             | 1.0      | -1.4689  |           |           |           |           |           |
| 184786      | 1             | 1.0      | -1.5464  |           |           |           |           |           |
| 185562      | 1             | 1.0      | -1.6503  |           |           |           |           |           |
| 185566      | 1             | 1.0      | -1.2765  |           |           |           |           |           |
| 187923      | 1             | 1.0      | -1.4195  |           |           |           |           |           |
| 227550      | 1             | 1.0      | -1.5530  |           |           |           |           |           |
| 184792      | 2             | 1.0      | -1.0367  | -0.3664   | 0.3664    |           |           |           |
| 215098      | 2             | 1.0      | -0.9005  | -0.0752   | 0.0752    |           |           |           |
| 185581      | 2             | 1.0      | -1.1755  | -0.6521   | 0.6521    |           |           |           |
| 214448      | 2             | 1.0      | -0.3874  | 0.0826    | -0.0826   |           |           |           |
| 184802      | 1             | 1.0      | -0.8993  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 214450 | 1      | 1.0 | -1.2794 |        |         |         |         |         |
| 214452 | 1      | 1.0 | -1.3042 |        |         |         |         |         |
| 185607 | 1      | 1.0 | -0.6680 |        |         |         |         |         |
| 214453 | 2      | 1.0 | -1.0791 | 0.4316 | -0.4316 |         |         |         |
| 185617 | 2      | 1.0 | -0.6414 | 0.0364 | -0.0364 |         |         |         |
| 215716 | 2      | 1.0 | -0.2397 | 0.0462 | -0.0462 |         |         |         |
| 185635 | 4      | 1.0 | 0.3458  | 1.4976 | 0.9210  | -0.7889 | -1.6297 |         |
| 227551 | 1      | 1.0 | 0.1715  |        |         |         |         |         |
| 185660 | 1      | 1.0 | 0.0727  |        |         |         |         |         |
| 185661 | 1      | 1.0 | -0.9203 |        |         |         |         |         |
| 185662 | 1      | 1.0 | -1.2021 |        |         |         |         |         |
| 184816 | 4      | 1.0 | 0.4774  | 1.5316 | 0.5872  | -0.8402 | -1.2786 |         |
| 184828 | 4      | 1.0 | 0.4858  | 1.2143 | 0.9737  | -0.6407 | -1.5474 |         |
| 186644 | 4      | 1.0 | 0.3742  | 1.2109 | 0.4906  | -0.6778 | -1.0237 |         |
| LisTot | 5      | 1.0 | -0.9551 | 1.3422 | 0.5163  | 0.2414  | -0.5647 | -1.5352 |
| SpeFlu | 5      | 1.0 | -0.7688 | 1.3595 | 0.4491  | 0.2486  | -0.4863 | -1.5708 |
| SpeVoc | 5      | 1.0 | -0.7073 | 1.4529 | 0.5828  | 0.3850  | -0.6669 | -1.7538 |
| SpePro | 5      | 1.0 | -0.7919 | 1.3099 | 0.6295  | 0.2379  | -0.5856 | -1.5917 |
| SpeGra | 5      | 1.0 | -0.6282 | 1.3645 | 0.6854  | 0.1693  | -0.5040 | -1.7152 |

**Table B-3. 2004–2008 MEPA:  
Item Parameters—Grade Span 3–4, Fall 2005**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181804      | 1             | 1.0      | -3.2188  |           |           |           |           |           |
| 182169      | 1             | 1.0      | -2.3310  |           |           |           |           |           |
| 181853      | 1             | 1.0      | -2.5512  |           |           |           |           |           |
| 227545      | 1             | 1.0      | -1.7103  |           |           |           |           |           |
| 189528      | 1             | 1.0      | -1.4334  |           |           |           |           |           |
| 215097      | 1             | 1.0      | -1.5228  |           |           |           |           |           |
| 214439      | 1             | 1.0      | -0.0731  |           |           |           |           |           |
| 227546      | 1             | 1.0      | -0.1877  |           |           |           |           |           |
| 189546      | 1             | 1.0      | -1.1743  |           |           |           |           |           |
| 181818      | 1             | 1.0      | -0.3919  |           |           |           |           |           |
| 227547      | 2             | 1.0      | -1.4249  | -0.1562   | 0.1562    |           |           |           |
| 181835      | 2             | 1.0      | -0.9221  | -0.5174   | 0.5174    |           |           |           |
| 189523      | 2             | 1.0      | -0.5241  | -0.5030   | 0.5030    |           |           |           |
| 214440      | 1             | 1.0      | -0.5492  |           |           |           |           |           |
| 182715      | 1             | 1.0      | -0.4445  |           |           |           |           |           |
| 182719      | 1             | 1.0      | -0.3325  |           |           |           |           |           |
| 227548      | 1             | 1.0      | 0.5466   |           |           |           |           |           |
| 215713      | 1             | 1.0      | -0.5158  |           |           |           |           |           |
| 182737      | 1             | 1.0      | -0.5573  |           |           |           |           |           |
| 182730      | 1             | 1.0      | -0.8445  |           |           |           |           |           |
| 182733      | 1             | 1.0      | -0.6936  |           |           |           |           |           |
| 182735      | 1             | 1.0      | -0.9031  |           |           |           |           |           |
| 214441      | 1             | 1.0      | -0.7327  |           |           |           |           |           |
| 182724      | 2             | 1.0      | -0.0367  | -0.1897   | 0.1897    |           |           |           |
| 182744      | 2             | 1.0      | 0.1184   | 0.8381    | -0.8381   |           |           |           |
| 193976      | 2             | 1.0      | -0.0437  | 0.5351    | -0.5351   |           |           |           |
| 183440      | 1             | 1.0      | 0.5212   |           |           |           |           |           |
| 215714      | 1             | 1.0      | -0.6161  |           |           |           |           |           |
| 183434      | 1             | 1.0      | -0.5365  |           |           |           |           |           |
| 215715      | 1             | 1.0      | -0.7722  |           |           |           |           |           |
| 183436      | 1             | 1.0      | -0.0817  |           |           |           |           |           |
| 227549      | 1             | 1.0      | -0.5913  |           |           |           |           |           |
| 187945      | 1             | 1.0      | -0.8991  |           |           |           |           |           |
| 214442      | 1             | 1.0      | -0.9242  |           |           |           |           |           |
| 187944      | 1             | 1.0      | -0.5096  |           |           |           |           |           |
| 187946      | 1             | 1.0      | 0.5338   |           |           |           |           |           |
| 183443      | 2             | 1.0      | 0.0101   | 0.7879    | -0.7879   |           |           |           |
| 214443      | 4             | 1.0      | 0.0865   | 0.9376    | -0.1837   | -0.1520   | -0.6019   |           |
| 184777      | 1             | 1.0      | -1.4689  |           |           |           |           |           |
| 184786      | 1             | 1.0      | -1.5464  |           |           |           |           |           |
| 185562      | 1             | 1.0      | -1.6503  |           |           |           |           |           |
| 185566      | 1             | 1.0      | -1.2765  |           |           |           |           |           |
| 187923      | 1             | 1.0      | -1.4195  |           |           |           |           |           |
| 227550      | 1             | 1.0      | -1.5530  |           |           |           |           |           |
| 184792      | 2             | 1.0      | -1.0367  | -0.3664   | 0.3664    |           |           |           |
| 215098      | 2             | 1.0      | -0.9005  | -0.0752   | 0.0752    |           |           |           |
| 185581      | 2             | 1.0      | -1.1755  | -0.6521   | 0.6521    |           |           |           |
| 214448      | 2             | 1.0      | -0.3874  | 0.0826    | -0.0826   |           |           |           |
| 184802      | 1             | 1.0      | -0.8993  |           |           |           |           |           |

(cont'd)

| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 214450 | 1      | 1.0 | -1.2794 |        |         |         |         |         |
| 214452 | 1      | 1.0 | -1.3042 |        |         |         |         |         |
| 185607 | 1      | 1.0 | -0.6680 |        |         |         |         |         |
| 214453 | 2      | 1.0 | -1.0791 | 0.4316 | -0.4316 |         |         |         |
| 185617 | 2      | 1.0 | -0.6414 | 0.0364 | -0.0364 |         |         |         |
| 215716 | 2      | 1.0 | -0.2397 | 0.0462 | -0.0462 |         |         |         |
| 185635 | 4      | 1.0 | 0.3458  | 1.4976 | 0.9210  | -0.7889 | -1.6297 |         |
| 227551 | 1      | 1.0 | 0.1715  |        |         |         |         |         |
| 185660 | 1      | 1.0 | 0.0727  |        |         |         |         |         |
| 185661 | 1      | 1.0 | -0.9203 |        |         |         |         |         |
| 185662 | 1      | 1.0 | -1.2021 |        |         |         |         |         |
| 184816 | 4      | 1.0 | 0.4774  | 1.5316 | 0.5872  | -0.8402 | -1.2786 |         |
| 184828 | 4      | 1.0 | 0.4858  | 1.2143 | 0.9737  | -0.6407 | -1.5474 |         |
| 186644 | 4      | 1.0 | 0.3742  | 1.2109 | 0.4906  | -0.6778 | -1.0237 |         |
| LisTot | 5      | 1.0 | -0.9551 | 1.3422 | 0.5163  | 0.2414  | -0.5647 | -1.5352 |
| SpeFlu | 5      | 1.0 | -0.7688 | 1.3595 | 0.4491  | 0.2486  | -0.4863 | -1.5708 |
| SpeVoc | 5      | 1.0 | -0.7073 | 1.4529 | 0.5828  | 0.385   | -0.6669 | -1.7538 |
| SpePro | 5      | 1.0 | -0.7919 | 1.3099 | 0.6295  | 0.2379  | -0.5856 | -1.5917 |
| SpeGra | 5      | 1.0 | -0.6282 | 1.3645 | 0.6854  | 0.1693  | -0.504  | -1.7152 |



**Table B-4. 2004–2008 MEPA:  
Item Parameters—Grade Span 3–4, Spring 2006**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181815      | 1             | 1.0      | -2.1648  |           |           |           |           |           |
| 181737      | 1             | 1.0      | -2.5966  |           |           |           |           |           |
| 181823      | 1             | 1.0      | -1.6073  |           |           |           |           |           |
| 189527      | 1             | 1.0      | -0.5745  |           |           |           |           |           |
| 189546      | 1             | 1.0      | -1.1743  |           |           |           |           |           |
| 227546      | 1             | 1.0      | -0.2516  |           |           |           |           |           |
| 182200      | 1             | 1.0      | 0.4441   |           |           |           |           |           |
| 181842      | 1             | 1.0      | -2.1268  |           |           |           |           |           |
| 189535      | 1             | 1.0      | -1.2640  |           |           |           |           |           |
| 189538      | 1             | 1.0      | -2.1437  |           |           |           |           |           |
| 248702      | 2             | 1.0      | -0.9317  | -0.4939   | 0.4939    |           |           |           |
| 181831      | 2             | 1.0      | -0.7711  | -0.3797   | 0.3797    |           |           |           |
| 189519      | 2             | 1.0      | -0.7790  | -0.1725   | 0.1725    |           |           |           |
| 187544      | 1             | 1.0      | -0.2107  |           |           |           |           |           |
| 182756      | 1             | 1.0      | -0.5645  |           |           |           |           |           |
| 182754      | 1             | 1.0      | -0.2883  |           |           |           |           |           |
| 182758      | 1             | 1.0      | 0.0562   |           |           |           |           |           |
| 182763      | 1             | 1.0      | -0.8599  |           |           |           |           |           |
| 182695      | 1             | 1.0      | -0.0785  |           |           |           |           |           |
| 182697      | 1             | 1.0      | -1.1610  |           |           |           |           |           |
| 182699      | 1             | 1.0      | -0.6219  |           |           |           |           |           |
| 182702      | 1             | 1.0      | -0.3627  |           |           |           |           |           |
| 182700      | 1             | 1.0      | -0.9425  |           |           |           |           |           |
| 182771      | 2             | 1.0      | -0.5530  | -0.1025   | 0.1025    |           |           |           |
| 193008      | 2             | 1.0      | -0.3208  | 0.4052    | -0.4052   |           |           |           |
| 193011      | 2             | 1.0      | -0.3574  | 0.4525    | -0.4525   |           |           |           |
| 183490      | 1             | 1.0      | -0.3777  |           |           |           |           |           |
| 183491      | 1             | 1.0      | -1.2511  |           |           |           |           |           |
| 183496      | 1             | 1.0      | 0.0416   |           |           |           |           |           |
| 183492      | 1             | 1.0      | 0.0573   |           |           |           |           |           |
| 183494      | 1             | 1.0      | 0.1631   |           |           |           |           |           |
| 183447      | 1             | 1.0      | -1.1697  |           |           |           |           |           |
| 183455      | 1             | 1.0      | -0.5048  |           |           |           |           |           |
| 183453      | 1             | 1.0      | -0.2571  |           |           |           |           |           |
| 243286      | 1             | 1.0      | -0.2026  |           |           |           |           |           |
| 183457      | 1             | 1.0      | -0.1975  |           |           |           |           |           |
| 183499      | 2             | 1.0      | -0.1481  | 0.3413    | -0.3413   |           |           |           |
| 243288      | 4             | 1.0      | 0.6081   | 1.2438    | 0.3832    | -0.6854   | -0.9416   |           |
| 184788      | 1             | 1.0      | -1.6247  |           |           |           |           |           |
| 184778      | 1             | 1.0      | -1.3159  |           |           |           |           |           |
| 187903      | 1             | 1.0      | -1.7504  |           |           |           |           |           |
| 187899      | 1             | 1.0      | -1.5199  |           |           |           |           |           |
| 185564      | 1             | 1.0      | -1.1690  |           |           |           |           |           |
| 187907      | 1             | 1.0      | -1.4498  |           |           |           |           |           |
| 185584      | 2             | 1.0      | -1.1995  | -0.5784   | 0.5784    |           |           |           |
| 185585      | 2             | 1.0      | -0.9776  | -0.0433   | 0.0433    |           |           |           |
| 186846      | 2             | 1.0      | -1.1589  | -0.6029   | 0.6029    |           |           |           |
| 249055      | 2             | 1.0      | -0.9718  | -0.1128   | 0.1128    |           |           |           |
| 184798      | 1             | 1.0      | -1.0601  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|---------|---------|---------|---------|---------|
| 185596 | 1      | 1.0 | -0.2461 |         |         |         |         |         |
| 185597 | 1      | 1.0 | -1.0168 |         |         |         |         |         |
| 185604 | 1      | 1.0 | -1.6323 |         |         |         |         |         |
| 185620 | 2      | 1.0 | -0.7690 | 0.0700  | -0.0700 |         |         |         |
| 185618 | 2      | 1.0 | -0.5276 | -0.0507 | 0.0507  |         |         |         |
| 185634 | 2      | 1.0 | -0.8098 | 0.5072  | -0.5072 |         |         |         |
| 186651 | 4      | 1.0 | 0.4457  | 1.3289  | 0.6260  | -0.5700 | -1.3850 |         |
| 184815 | 1      | 1.0 | -0.5553 |         |         |         |         |         |
| 243298 | 1      | 1.0 | -0.2426 |         |         |         |         |         |
| 184811 | 1      | 1.0 | -0.0489 |         |         |         |         |         |
| 184814 | 1      | 1.0 | 0.1092  |         |         |         |         |         |
| 185674 | 4      | 1.0 | 0.2277  | 1.3639  | 0.4205  | -0.7114 | -1.0730 |         |
| 186646 | 4      | 1.0 | 0.2306  | 1.0840  | 0.5657  | -0.7423 | -0.9074 |         |
| 186648 | 4      | 1.0 | 0.3658  | 1.5825  | 0.5168  | -0.6674 | -1.4319 |         |
| LisTot | 5      | 1.0 | -0.9518 | 1.4049  | 0.5173  | 0.1092  | -0.5383 | -1.4930 |
| SpeFlu | 5      | 1.0 | -0.7696 | 1.3830  | 0.4112  | 0.1583  | -0.4610 | -1.4915 |
| SpeVoc | 5      | 1.0 | -0.7261 | 1.5026  | 0.4850  | 0.3158  | -0.6132 | -1.6903 |
| SpePro | 5      | 1.0 | -0.7961 | 1.3109  | 0.5655  | 0.1664  | -0.5357 | -1.5070 |
| SpeGra | 5      | 1.0 | -0.6485 | 1.3690  | 0.6258  | 0.0852  | -0.4459 | -1.6342 |

**Table B-5. 2004–2008 MEPA:  
Item Parameters—Grade Span 3–4, Fall 2006**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181815      | 1             | 1.0      | -2.1648  |           |           |           |           |           |
| 181737      | 1             | 1.0      | -2.5966  |           |           |           |           |           |
| 181823      | 1             | 1.0      | -1.6073  |           |           |           |           |           |
| 189527      | 1             | 1.0      | -0.5745  |           |           |           |           |           |
| 189546      | 1             | 1.0      | -1.1743  |           |           |           |           |           |
| 227546      | 1             | 1.0      | -0.2516  |           |           |           |           |           |
| 182200      | 1             | 1.0      | 0.4441   |           |           |           |           |           |
| 181842      | 1             | 1.0      | -2.1268  |           |           |           |           |           |
| 189535      | 1             | 1.0      | -1.2640  |           |           |           |           |           |
| 189538      | 1             | 1.0      | -2.1437  |           |           |           |           |           |
| 248702      | 2             | 1.0      | -0.9317  | -0.4939   | 0.4939    |           |           |           |
| 181831      | 2             | 1.0      | -0.7711  | -0.3797   | 0.3797    |           |           |           |
| 189519      | 2             | 1.0      | -0.7790  | -0.1725   | 0.1725    |           |           |           |
| 187544      | 1             | 1.0      | -0.2107  |           |           |           |           |           |
| 182756      | 1             | 1.0      | -0.5645  |           |           |           |           |           |
| 182754      | 1             | 1.0      | -0.2883  |           |           |           |           |           |
| 182758      | 1             | 1.0      | 0.0562   |           |           |           |           |           |
| 182763      | 1             | 1.0      | -0.8599  |           |           |           |           |           |
| 182695      | 1             | 1.0      | -0.0785  |           |           |           |           |           |
| 182697      | 1             | 1.0      | -1.1610  |           |           |           |           |           |
| 182699      | 1             | 1.0      | -0.6219  |           |           |           |           |           |
| 182702      | 1             | 1.0      | -0.3627  |           |           |           |           |           |
| 182700      | 1             | 1.0      | -0.9425  |           |           |           |           |           |
| 182771      | 2             | 1.0      | -0.5530  | -0.1025   | 0.1025    |           |           |           |
| 193008      | 2             | 1.0      | -0.3208  | 0.4052    | -0.4052   |           |           |           |
| 193011      | 2             | 1.0      | -0.3574  | 0.4525    | -0.4525   |           |           |           |
| 183490      | 1             | 1.0      | -0.3777  |           |           |           |           |           |
| 183491      | 1             | 1.0      | -1.2511  |           |           |           |           |           |
| 183496      | 1             | 1.0      | 0.0416   |           |           |           |           |           |
| 183492      | 1             | 1.0      | 0.0573   |           |           |           |           |           |
| 183494      | 1             | 1.0      | 0.1631   |           |           |           |           |           |
| 183447      | 1             | 1.0      | -1.1697  |           |           |           |           |           |
| 183455      | 1             | 1.0      | -0.5048  |           |           |           |           |           |
| 183453      | 1             | 1.0      | -0.2571  |           |           |           |           |           |
| 243286      | 1             | 1.0      | -0.2026  |           |           |           |           |           |
| 183457      | 1             | 1.0      | -0.1975  |           |           |           |           |           |
| 183499      | 2             | 1.0      | -0.1481  | 0.3413    | -0.3413   |           |           |           |
| 243288      | 4             | 1.0      | 0.6081   | 1.2438    | 0.3832    | -0.6854   | -0.9416   |           |
| 184788      | 1             | 1.0      | -1.6247  |           |           |           |           |           |
| 184778      | 1             | 1.0      | -1.3159  |           |           |           |           |           |
| 187903      | 1             | 1.0      | -1.7504  |           |           |           |           |           |
| 187899      | 1             | 1.0      | -1.5199  |           |           |           |           |           |
| 185564      | 1             | 1.0      | -1.1690  |           |           |           |           |           |
| 187907      | 1             | 1.0      | -1.4498  |           |           |           |           |           |
| 185584      | 2             | 1.0      | -1.1995  | -0.5784   | 0.5784    |           |           |           |
| 185585      | 2             | 1.0      | -0.9776  | -0.0433   | 0.0433    |           |           |           |
| 186846      | 2             | 1.0      | -1.1589  | -0.6029   | 0.6029    |           |           |           |
| 249055      | 2             | 1.0      | -0.9718  | -0.1128   | 0.1128    |           |           |           |
| 184798      | 1             | 1.0      | -1.0601  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|---------|---------|---------|---------|---------|
| 185596 | 1      | 1.0 | -0.2461 |         |         |         |         |         |
| 185597 | 1      | 1.0 | -1.0168 |         |         |         |         |         |
| 185604 | 1      | 1.0 | -1.6323 |         |         |         |         |         |
| 185620 | 2      | 1.0 | -0.7690 | 0.0700  | -0.0700 |         |         |         |
| 185618 | 2      | 1.0 | -0.5276 | -0.0507 | 0.0507  |         |         |         |
| 185634 | 2      | 1.0 | -0.8098 | 0.5072  | -0.5072 |         |         |         |
| 186651 | 4      | 1.0 | 0.4457  | 1.3289  | 0.6260  | -0.5700 | -1.3850 |         |
| 184815 | 1      | 1.0 | -0.5553 |         |         |         |         |         |
| 243298 | 1      | 1.0 | -0.2426 |         |         |         |         |         |
| 184811 | 1      | 1.0 | -0.0489 |         |         |         |         |         |
| 184814 | 1      | 1.0 | 0.1092  |         |         |         |         |         |
| 185674 | 4      | 1.0 | 0.2277  | 1.3639  | 0.4205  | -0.7114 | -1.0730 |         |
| 186646 | 4      | 1.0 | 0.2306  | 1.0840  | 0.5657  | -0.7423 | -0.9074 |         |
| 186648 | 4      | 1.0 | 0.3658  | 1.5825  | 0.5168  | -0.6674 | -1.4319 |         |
| LisTot | 5      | 1.0 | -0.9518 | 1.4049  | 0.5173  | 0.1092  | -0.5383 | -1.4930 |
| SpeFlu | 5      | 1.0 | -0.7696 | 1.3830  | 0.4112  | 0.1583  | -0.4610 | -1.4915 |
| SpeVoc | 5      | 1.0 | -0.7261 | 1.5026  | 0.4850  | 0.3158  | -0.6132 | -1.6903 |
| SpePro | 5      | 1.0 | -0.7961 | 1.3109  | 0.5655  | 0.1664  | -0.5357 | -1.5070 |
| SpeGra | 5      | 1.0 | -0.6485 | 1.3690  | 0.6258  | 0.0852  | -0.4459 | -1.6342 |

**Table B-6. 2004–2008 MEPA:  
Item Parameters—Grade Span 3–4, Spring 2007**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181808      | 1             | 1.0      | -2.8247  |           |           |           |           |           |
| 181853      | 1             | 1.0      | -2.5512  |           |           |           |           |           |
| 181802      | 1             | 1.0      | -0.4606  |           |           |           |           |           |
| 261682      | 1             | 1.0      | -1.9116  |           |           |           |           |           |
| 181840      | 1             | 1.0      | -1.8835  |           |           |           |           |           |
| 189529      | 1             | 1.0      | -1.5997  |           |           |           |           |           |
| 214439      | 1             | 1.0      | -0.1720  |           |           |           |           |           |
| 181851      | 1             | 1.0      | -0.3596  |           |           |           |           |           |
| 184056      | 1             | 1.0      | -1.9877  |           |           |           |           |           |
| 189535      | 1             | 1.0      | -1.2640  |           |           |           |           |           |
| 181794      | 2             | 1.0      | -0.7129  | -0.6381   | 0.6381    |           |           |           |
| 181838      | 2             | 1.0      | -0.7313  | 0.0690    | -0.0690   |           |           |           |
| 189517      | 2             | 1.0      | -0.7761  | -0.3799   | 0.3799    |           |           |           |
| 182814      | 1             | 1.0      | -1.1153  |           |           |           |           |           |
| 182824      | 1             | 1.0      | -0.6689  |           |           |           |           |           |
| 182815      | 1             | 1.0      | -0.7715  |           |           |           |           |           |
| 261684      | 1             | 1.0      | -0.3182  |           |           |           |           |           |
| 182826      | 1             | 1.0      | -0.4055  |           |           |           |           |           |
| 214440      | 1             | 1.0      | -0.5545  |           |           |           |           |           |
| 265029      | 1             | 1.0      | -0.4583  |           |           |           |           |           |
| 182719      | 1             | 1.0      | -0.3325  |           |           |           |           |           |
| 261685      | 1             | 1.0      | 0.4893   |           |           |           |           |           |
| 182714      | 1             | 1.0      | -0.5311  |           |           |           |           |           |
| 182832      | 2             | 1.0      | -0.6330  | 0.1380    | -0.1380   |           |           |           |
| 261686      | 2             | 1.0      | -0.2467  | -0.2422   | 0.2422    |           |           |           |
| 193022      | 2             | 1.0      | -0.2385  | 0.1280    | -0.1280   |           |           |           |
| 183477      | 1             | 1.0      | -0.7965  |           |           |           |           |           |
| 183480      | 1             | 1.0      | -0.2377  |           |           |           |           |           |
| 183484      | 1             | 1.0      | -0.4845  |           |           |           |           |           |
| 261687      | 1             | 1.0      | -1.4200  |           |           |           |           |           |
| 261688      | 1             | 1.0      | -0.8278  |           |           |           |           |           |
| 184139      | 1             | 1.0      | -0.2548  |           |           |           |           |           |
| 184148      | 1             | 1.0      | 0.1584   |           |           |           |           |           |
| 184140      | 1             | 1.0      | -0.5787  |           |           |           |           |           |
| 184142      | 1             | 1.0      | 0.0647   |           |           |           |           |           |
| 184144      | 1             | 1.0      | 0.1905   |           |           |           |           |           |
| 183486      | 2             | 1.0      | -0.1102  | 0.2874    | -0.2874   |           |           |           |
| 261689      | 4             | 1.0      | 0.8729   | 1.5047    | 0.3907    | -0.5134   | -1.3820   |           |
| 184779      | 1             | 1.0      | -1.1080  |           |           |           |           |           |
| 184787      | 1             | 1.0      | -1.3069  |           |           |           |           |           |
| 184784      | 1             | 1.0      | -1.7298  |           |           |           |           |           |
| 187898      | 1             | 1.0      | -1.6080  |           |           |           |           |           |
| 187892      | 1             | 1.0      | -1.5127  |           |           |           |           |           |
| 187917      | 1             | 1.0      | -1.3528  |           |           |           |           |           |
| 185588      | 2             | 1.0      | -1.1193  | -1.0991   | 1.0991    |           |           |           |
| 185577      | 2             | 1.0      | -1.1870  | -0.5552   | 0.5552    |           |           |           |
| 185591      | 2             | 1.0      | -0.8838  | -0.2408   | 0.2408    |           |           |           |
| 261690      | 2             | 1.0      | -0.8125  | 0.0996    | -0.0996   |           |           |           |
| 184804      | 1             | 1.0      | -1.4435  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 185601 | 1      | 1.0 | -1.1766 |        |         |         |         |         |
| 185603 | 1      | 1.0 | -1.0616 |        |         |         |         |         |
| 185613 | 1      | 1.0 | -0.3606 |        |         |         |         |         |
| 261691 | 2      | 1.0 | -1.0955 | 0.5310 | -0.5310 |         |         |         |
| 267519 | 2      | 1.0 | -0.6133 | 0.2517 | -0.2517 |         |         |         |
| 261692 | 2      | 1.0 | -0.5932 | 0.2182 | -0.2182 |         |         |         |
| 186650 | 4      | 1.0 | 0.2491  | 1.4659 | 0.8913  | -0.7439 | -1.6132 |         |
| 185652 | 1      | 1.0 | -0.5954 |        |         |         |         |         |
| 185653 | 1      | 1.0 | 0.0993  |        |         |         |         |         |
| 185650 | 1      | 1.0 | -0.4111 |        |         |         |         |         |
| 261693 | 1      | 1.0 | 0.1560  |        |         |         |         |         |
| 185672 | 4      | 1.0 | 0.3038  | 1.3131 | 0.6366  | -0.7370 | -1.2127 |         |
| 186640 | 4      | 1.0 | 0.2778  | 1.4670 | 0.3720  | -0.7324 | -1.1067 |         |
| 186643 | 4      | 1.0 | 0.2908  | 1.4341 | 0.4247  | -0.6835 | -1.1753 |         |
| LisTot | 5      | 1.0 | -0.9759 | 1.3500 | 0.4656  | 0.2943  | -0.5699 | -1.5400 |
| SpeFlu | 5      | 1.0 | -0.8075 | 1.2987 | 0.5163  | 0.2106  | -0.4530 | -1.5726 |
| SpeVoc | 5      | 1.0 | -0.7483 | 1.4361 | 0.5677  | 0.3949  | -0.6175 | -1.7812 |
| SpePro | 5      | 1.0 | -0.8337 | 1.2683 | 0.6179  | 0.2312  | -0.5373 | -1.5801 |
| SpeGra | 5      | 1.0 | -0.6721 | 1.3098 | 0.7148  | 0.1963  | -0.4905 | -1.7304 |

**Table B-7. 2004–2008 MEPA:  
Item Parameters—Grade Span 3–4, Fall 2007**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181804      | 1             | 1.0      | -3.2188  |           |           |           |           |           |
| 182169      | 1             | 1.0      | -2.3310  |           |           |           |           |           |
| 181853      | 1             | 1.0      | -2.5512  |           |           |           |           |           |
| 227545      | 1             | 1.0      | -1.7103  |           |           |           |           |           |
| 189528      | 1             | 1.0      | -1.4334  |           |           |           |           |           |
| 215097      | 1             | 1.0      | -1.5228  |           |           |           |           |           |
| 214439      | 1             | 1.0      | -0.0731  |           |           |           |           |           |
| 227546      | 1             | 1.0      | -0.1877  |           |           |           |           |           |
| 189546      | 1             | 1.0      | -1.1743  |           |           |           |           |           |
| 181818      | 1             | 1.0      | -0.3919  |           |           |           |           |           |
| 227547      | 2             | 1.0      | -1.4249  | -0.1562   | 0.1562    |           |           |           |
| 181835      | 2             | 1.0      | -0.9221  | -0.5174   | 0.5174    |           |           |           |
| 189523      | 2             | 1.0      | -0.5241  | -0.5030   | 0.5030    |           |           |           |
| 214440      | 1             | 1.0      | -0.5492  |           |           |           |           |           |
| 182715      | 1             | 1.0      | -0.4445  |           |           |           |           |           |
| 182719      | 1             | 1.0      | -0.3325  |           |           |           |           |           |
| 227548      | 1             | 1.0      | 0.5466   |           |           |           |           |           |
| 215713      | 1             | 1.0      | -0.5158  |           |           |           |           |           |
| 182737      | 1             | 1.0      | -0.5573  |           |           |           |           |           |
| 182730      | 1             | 1.0      | -0.8445  |           |           |           |           |           |
| 182733      | 1             | 1.0      | -0.6936  |           |           |           |           |           |
| 182735      | 1             | 1.0      | -0.9031  |           |           |           |           |           |
| 214441      | 1             | 1.0      | -0.7327  |           |           |           |           |           |
| 182724      | 2             | 1.0      | -0.0367  | -0.1897   | 0.1897    |           |           |           |
| 182744      | 2             | 1.0      | 0.1184   | 0.8381    | -0.8381   |           |           |           |
| 193976      | 2             | 1.0      | -0.0437  | 0.5351    | -0.5351   |           |           |           |
| 183440      | 1             | 1.0      | 0.5212   |           |           |           |           |           |
| 215714      | 1             | 1.0      | -0.6161  |           |           |           |           |           |
| 183434      | 1             | 1.0      | -0.5365  |           |           |           |           |           |
| 215715      | 1             | 1.0      | -0.7722  |           |           |           |           |           |
| 183436      | 1             | 1.0      | -0.0817  |           |           |           |           |           |
| 227549      | 1             | 1.0      | -0.5913  |           |           |           |           |           |
| 187945      | 1             | 1.0      | -0.8991  |           |           |           |           |           |
| 214442      | 1             | 1.0      | -0.9242  |           |           |           |           |           |
| 187944      | 1             | 1.0      | -0.5096  |           |           |           |           |           |
| 187946      | 1             | 1.0      | 0.5338   |           |           |           |           |           |
| 183443      | 2             | 1.0      | 0.0101   | 0.7879    | -0.7879   |           |           |           |
| 214443      | 4             | 1.0      | 0.0865   | 0.9376    | -0.1837   | -0.152    | -0.6019   |           |
| 184777      | 1             | 1.0      | -1.4689  |           |           |           |           |           |
| 184786      | 1             | 1.0      | -1.5464  |           |           |           |           |           |
| 185562      | 1             | 1.0      | -1.6503  |           |           |           |           |           |
| 185566      | 1             | 1.0      | -1.2765  |           |           |           |           |           |
| 187923      | 1             | 1.0      | -1.4195  |           |           |           |           |           |
| 227550      | 1             | 1.0      | -1.5530  |           |           |           |           |           |
| 184792      | 2             | 1.0      | -1.0367  | -0.3664   | 0.3664    |           |           |           |
| 215098      | 2             | 1.0      | -0.9005  | -0.0752   | 0.0752    |           |           |           |
| 185581      | 2             | 1.0      | -1.1755  | -0.6521   | 0.6521    |           |           |           |
| 214448      | 2             | 1.0      | -0.3874  | 0.0826    | -0.0826   |           |           |           |
| 184802      | 1             | 1.0      | -0.8993  |           |           |           |           |           |

(cont'd)

| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 214450 | 1      | 1.0 | -1.2794 |        |         |         |         |         |
| 214452 | 1      | 1.0 | -1.3042 |        |         |         |         |         |
| 185607 | 1      | 1.0 | -0.6680 |        |         |         |         |         |
| 214453 | 2      | 1.0 | -1.0791 | 0.4316 | -0.4316 |         |         |         |
| 185617 | 2      | 1.0 | -0.6414 | 0.0364 | -0.0364 |         |         |         |
| 215716 | 2      | 1.0 | -0.2397 | 0.0462 | -0.0462 |         |         |         |
| 185635 | 4      | 1.0 | 0.3458  | 1.4976 | 0.9210  | -0.7889 | -1.6297 |         |
| 227551 | 1      | 1.0 | 0.1715  |        |         |         |         |         |
| 185660 | 1      | 1.0 | 0.0727  |        |         |         |         |         |
| 185661 | 1      | 1.0 | -0.9203 |        |         |         |         |         |
| 185662 | 1      | 1.0 | -1.2021 |        |         |         |         |         |
| 184816 | 4      | 1.0 | 0.4774  | 1.5316 | 0.5872  | -0.8402 | -1.2786 |         |
| 184828 | 4      | 1.0 | 0.4858  | 1.2143 | 0.9737  | -0.6407 | -1.5474 |         |
| 186644 | 4      | 1.0 | 0.3742  | 1.2109 | 0.4906  | -0.6778 | -1.0237 |         |
| LisTot | 5      | 1.0 | -0.9551 | 1.3422 | 0.5163  | 0.2414  | -0.5647 | -1.5352 |
| SpeFlu | 5      | 1.0 | -0.7688 | 1.3595 | 0.4491  | 0.2486  | -0.4863 | -1.5708 |
| SpeVoc | 5      | 1.0 | -0.7073 | 1.4529 | 0.5828  | 0.3850  | -0.6669 | -1.7538 |
| SpePro | 5      | 1.0 | -0.7919 | 1.3099 | 0.6295  | 0.2379  | -0.5856 | -1.5917 |
| SpeGra | 5      | 1.0 | -0.6282 | 1.3645 | 0.6854  | 0.1693  | -0.5040 | -1.7152 |



**Table B-8. 2004–2008 MEPA:  
Item Parameters—Grade Span 3–4, Spring 2008**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181815      | 1             | 1.0      | -2.1648  |           |           |           |           |           |
| 181737      | 1             | 1.0      | -2.5966  |           |           |           |           |           |
| 181823      | 1             | 1.0      | -1.6073  |           |           |           |           |           |
| 189527      | 1             | 1.0      | -0.5745  |           |           |           |           |           |
| 189546      | 1             | 1.0      | -1.1743  |           |           |           |           |           |
| 227546      | 1             | 1.0      | -0.2516  |           |           |           |           |           |
| 182200      | 1             | 1.0      | 0.4441   |           |           |           |           |           |
| 181842      | 1             | 1.0      | -2.1268  |           |           |           |           |           |
| 189535      | 1             | 1.0      | -1.2640  |           |           |           |           |           |
| 189538      | 1             | 1.0      | -2.1437  |           |           |           |           |           |
| 248702      | 2             | 1.0      | -0.9317  | -0.4939   | 0.4939    |           |           |           |
| 181831      | 2             | 1.0      | -0.7711  | -0.3797   | 0.3797    |           |           |           |
| 189519      | 2             | 1.0      | -0.7790  | -0.1725   | 0.1725    |           |           |           |
| 187544      | 1             | 1.0      | -0.2107  |           |           |           |           |           |
| 182756      | 1             | 1.0      | -0.5645  |           |           |           |           |           |
| 182754      | 1             | 1.0      | -0.2883  |           |           |           |           |           |
| 182758      | 1             | 1.0      | 0.0562   |           |           |           |           |           |
| 182763      | 1             | 1.0      | -0.8599  |           |           |           |           |           |
| 182695      | 1             | 1.0      | -0.0785  |           |           |           |           |           |
| 182697      | 1             | 1.0      | -1.1610  |           |           |           |           |           |
| 182699      | 1             | 1.0      | -0.6219  |           |           |           |           |           |
| 182702      | 1             | 1.0      | -0.3627  |           |           |           |           |           |
| 182700      | 1             | 1.0      | -0.9425  |           |           |           |           |           |
| 182771      | 2             | 1.0      | -0.5530  | -0.1025   | 0.1025    |           |           |           |
| 193008      | 2             | 1.0      | -0.3208  | 0.4052    | -0.4052   |           |           |           |
| 193011      | 2             | 1.0      | -0.3574  | 0.4525    | -0.4525   |           |           |           |
| 183490      | 1             | 1.0      | -0.3777  |           |           |           |           |           |
| 183491      | 1             | 1.0      | -1.2511  |           |           |           |           |           |
| 183496      | 1             | 1.0      | 0.0416   |           |           |           |           |           |
| 183492      | 1             | 1.0      | 0.0573   |           |           |           |           |           |
| 183494      | 1             | 1.0      | 0.1631   |           |           |           |           |           |
| 183447      | 1             | 1.0      | -1.1697  |           |           |           |           |           |
| 183455      | 1             | 1.0      | -0.5048  |           |           |           |           |           |
| 183453      | 1             | 1.0      | -0.2571  |           |           |           |           |           |
| 243286      | 1             | 1.0      | -0.2026  |           |           |           |           |           |
| 183457      | 1             | 1.0      | -0.1975  |           |           |           |           |           |
| 183499      | 2             | 1.0      | -0.1481  | 0.3413    | -0.3413   |           |           |           |
| 243288      | 4             | 1.0      | 0.6081   | 1.2438    | 0.3832    | -0.6854   | -0.9416   |           |
| 184788      | 1             | 1.0      | -1.6247  |           |           |           |           |           |
| 184778      | 1             | 1.0      | -1.3159  |           |           |           |           |           |
| 187903      | 1             | 1.0      | -1.7504  |           |           |           |           |           |
| 187899      | 1             | 1.0      | -1.5199  |           |           |           |           |           |
| 185564      | 1             | 1.0      | -1.1690  |           |           |           |           |           |
| 187907      | 1             | 1.0      | -1.4498  |           |           |           |           |           |
| 185584      | 2             | 1.0      | -1.1995  | -0.5784   | 0.5784    |           |           |           |
| 185585      | 2             | 1.0      | -0.9776  | -0.0433   | 0.0433    |           |           |           |
| 186846      | 2             | 1.0      | -1.1589  | -0.6029   | 0.6029    |           |           |           |
| 249055      | 2             | 1.0      | -0.9718  | -0.1128   | 0.1128    |           |           |           |
| 184798      | 1             | 1.0      | -1.0601  |           |           |           |           |           |

(cont'd)

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|---------|---------|---------|---------|---------|
| 185596 | 1      | 1.0 | -0.2461 |         |         |         |         |         |
| 185597 | 1      | 1.0 | -1.0168 |         |         |         |         |         |
| 185604 | 1      | 1.0 | -1.6323 |         |         |         |         |         |
| 185620 | 2      | 1.0 | -0.7690 | 0.0700  | -0.0700 |         |         |         |
| 185618 | 2      | 1.0 | -0.5276 | -0.0507 | 0.0507  |         |         |         |
| 185634 | 2      | 1.0 | -0.8098 | 0.5072  | -0.5072 |         |         |         |
| 186651 | 4      | 1.0 | 0.4457  | 1.3289  | 0.6260  | -0.5700 | -1.3850 |         |
| 184815 | 1      | 1.0 | -0.5553 |         |         |         |         |         |
| 243298 | 1      | 1.0 | -0.2426 |         |         |         |         |         |
| 184811 | 1      | 1.0 | -0.0489 |         |         |         |         |         |
| 184814 | 1      | 1.0 | 0.1092  |         |         |         |         |         |
| 185674 | 4      | 1.0 | 0.2277  | 1.3639  | 0.4205  | -0.7114 | -1.0730 |         |
| 186646 | 4      | 1.0 | 0.2306  | 1.0840  | 0.5657  | -0.7423 | -0.9074 |         |
| 186648 | 4      | 1.0 | 0.3658  | 1.5825  | 0.5168  | -0.6674 | -1.4319 |         |
| LisTot | 5      | 1.0 | -0.9518 | 1.4049  | 0.5173  | 0.1092  | -0.5383 | -1.4930 |
| SpeFlu | 5      | 1.0 | -0.7696 | 1.3830  | 0.4112  | 0.1583  | -0.4610 | -1.4915 |
| SpeVoc | 5      | 1.0 | -0.7261 | 1.5026  | 0.4850  | 0.3158  | -0.6132 | -1.6903 |
| SpePro | 5      | 1.0 | -0.7961 | 1.3109  | 0.5655  | 0.1664  | -0.5357 | -1.5070 |
| SpeGra | 5      | 1.0 | -0.6485 | 1.3690  | 0.6258  | 0.0852  | -0.4459 | -1.6342 |

**Table B-9. 2004–2008 MEPA:  
Item Parameters—Grade Span 5–6, Fall 2004**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 181665 | 1      | 1.0 | -2.9771 |         |         |         |         |    |
| 189410 | 1      | 1.0 | -2.4780 |         |         |         |         |    |
| 182015 | 1      | 1.0 | -1.3395 |         |         |         |         |    |
| 182025 | 1      | 1.0 | -0.8822 |         |         |         |         |    |
| 190046 | 1      | 1.0 | -1.6684 |         |         |         |         |    |
| 181712 | 1      | 1.0 | -0.7131 |         |         |         |         |    |
| 182012 | 1      | 1.0 | -1.5304 |         |         |         |         |    |
| 181722 | 1      | 1.0 | -1.2228 |         |         |         |         |    |
| 206712 | 1      | 1.0 | -2.0140 |         |         |         |         |    |
| 206713 | 1      | 1.0 | -2.3579 |         |         |         |         |    |
| 206714 | 2      | 1.0 | -1.5119 | 0.1400  | -0.1400 |         |         |    |
| 182048 | 2      | 1.0 | -1.5915 | 0.2654  | -0.2654 |         |         |    |
| 189515 | 2      | 1.0 | -1.2224 | 0.0019  | -0.0019 |         |         |    |
| 182630 | 1      | 1.0 | -1.1997 |         |         |         |         |    |
| 182633 | 1      | 1.0 | -0.7229 |         |         |         |         |    |
| 182636 | 1      | 1.0 | -1.3519 |         |         |         |         |    |
| 182631 | 1      | 1.0 | -0.8412 |         |         |         |         |    |
| 182638 | 1      | 1.0 | -0.2907 |         |         |         |         |    |
| 184005 | 1      | 1.0 | -0.7251 |         |         |         |         |    |
| 184006 | 1      | 1.0 | -0.3836 |         |         |         |         |    |
| 184009 | 1      | 1.0 | -0.6921 |         |         |         |         |    |
| 184010 | 1      | 1.0 | -0.6717 |         |         |         |         |    |
| 206715 | 1      | 1.0 | -1.4167 |         |         |         |         |    |
| 182639 | 2      | 1.0 | -0.2239 | 0.5143  | -0.5143 |         |         |    |
| 184018 | 2      | 1.0 | -0.4147 | -0.1838 | 0.1838  |         |         |    |
| 184017 | 2      | 1.0 | -0.415  | 0.5398  | -0.5398 |         |         |    |
| 183820 | 1      | 1.0 | -1.4138 |         |         |         |         |    |
| 183822 | 1      | 1.0 | -1.1862 |         |         |         |         |    |
| 183823 | 1      | 1.0 | -0.3194 |         |         |         |         |    |
| 183826 | 1      | 1.0 | -0.0826 |         |         |         |         |    |
| 183830 | 1      | 1.0 | -1.0105 |         |         |         |         |    |
| 182967 | 1      | 1.0 | -0.7657 |         |         |         |         |    |
| 182968 | 1      | 1.0 | -1.2201 |         |         |         |         |    |
| 206719 | 1      | 1.0 | -0.2511 |         |         |         |         |    |
| 182969 | 1      | 1.0 | -0.4359 |         |         |         |         |    |
| 182971 | 1      | 1.0 | -0.5983 |         |         |         |         |    |
| 183832 | 2      | 1.0 | -0.4850 | 0.3626  | -0.3626 |         |         |    |
| 182975 | 4      | 1.0 | 0.5520  | 1.3879  | 0.8769  | -0.8725 | -1.3922 |    |
| 183619 | 1      | 1.0 | -2.8165 |         |         |         |         |    |
| 183623 | 1      | 1.0 | -2.2797 |         |         |         |         |    |
| 186314 | 1      | 1.0 | -2.5604 |         |         |         |         |    |
| 183612 | 1      | 1.0 | -1.9416 |         |         |         |         |    |
| 183615 | 1      | 1.0 | -2.2350 |         |         |         |         |    |
| 186308 | 1      | 1.0 | -2.1463 |         |         |         |         |    |
| 186330 | 2      | 1.0 | -1.6481 | 0.1488  | -0.1488 |         |         |    |
| 206700 | 2      | 1.0 | -1.1896 | 0.1407  | -0.1407 |         |         |    |
| 206702 | 2      | 1.0 | -1.2691 | 0.1132  | -0.1132 |         |         |    |
| 206703 | 2      | 1.0 | -0.4582 | 0.0016  | -0.0016 |         |         |    |
| 183582 | 1      | 1.0 | -0.9142 |         |         |         |         |    |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 183580 | 1      | 1.0 | -0.5001 |        |         |         |         |         |
| 184040 | 1      | 1.0 | -1.2231 |        |         |         |         |         |
| 184041 | 1      | 1.0 | -0.5296 |        |         |         |         |         |
| 186610 | 2      | 1.0 | -1.300  | 0.5512 | -0.5512 |         |         |         |
| 192985 | 2      | 1.0 | -1.2318 | 0.2416 | -0.2416 |         |         |         |
| 186602 | 2      | 1.0 | -0.8074 | 0.5390 | -0.5390 |         |         |         |
| 187994 | 4      | 1.0 | 0.2578  | 1.7457 | 0.4426  | -1.0821 | -1.1062 |         |
| 183603 | 1      | 1.0 | -0.5750 |        |         |         |         |         |
| 187996 | 1      | 1.0 | -0.4947 |        |         |         |         |         |
| 183604 | 1      | 1.0 | -0.6635 |        |         |         |         |         |
| 183605 | 1      | 1.0 | -0.6459 |        |         |         |         |         |
| 186696 | 4      | 1.0 | 0.2997  | 1.8080 | 0.5687  | -0.9405 | -1.4361 |         |
| 186701 | 4      | 1.0 | 0.1572  | 1.2397 | 0.3657  | -0.6321 | -0.9733 |         |
| 186706 | 4      | 1.0 | 0.2656  | 1.1286 | 0.5176  | -0.3937 | -1.2525 |         |
| LisTot | 5      | 1.0 | -1.0395 | 1.3805 | 0.5343  | 0.1848  | -0.5921 | -1.5076 |
| SpeFlu | 5      | 1.0 | -0.8385 | 1.3420 | 0.6047  | 0.1578  | -0.5219 | -1.5827 |
| SpeVoc | 5      | 1.0 | -0.7906 | 1.5172 | 0.6058  | 0.3256  | -0.6942 | -1.7544 |
| SpePro | 5      | 1.0 | -0.8693 | 1.3758 | 0.7050  | 0.1668  | -0.6260 | -1.6216 |
| SpeGra | 5      | 1.0 | -0.7160 | 1.3835 | 0.7430  | 0.1262  | -0.5172 | -1.7355 |

**Table B-10. 2004–2008 MEPA:  
Item Parameters—Grade Span 5–6, Spring 2005**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181661      | 1             | 1.0      | -2.7025  |           |           |           |           |           |
| 227552      | 1             | 1.0      | -1.8716  |           |           |           |           |           |
| 182010      | 1             | 1.0      | -1.9401  |           |           |           |           |           |
| 182014      | 1             | 1.0      | -1.7851  |           |           |           |           |           |
| 181915      | 1             | 1.0      | -2.5361  |           |           |           |           |           |
| 182018      | 1             | 1.0      | -1.4926  |           |           |           |           |           |
| 182016      | 1             | 1.0      | -0.6039  |           |           |           |           |           |
| 190043      | 1             | 1.0      | -1.3953  |           |           |           |           |           |
| 214959      | 1             | 1.0      | -1.7079  |           |           |           |           |           |
| 214960      | 1             | 1.0      | -1.0363  |           |           |           |           |           |
| 214961      | 2             | 1.0      | -1.5995  | -0.2468   | 0.2468    |           |           |           |
| 214962      | 2             | 1.0      | -1.7609  | -0.3363   | 0.3363    |           |           |           |
| 182035      | 2             | 1.0      | -1.3564  | 0.6059    | -0.6059   |           |           |           |
| 184747      | 1             | 1.0      | -0.5368  |           |           |           |           |           |
| 184750      | 1             | 1.0      | -0.3101  |           |           |           |           |           |
| 184753      | 1             | 1.0      | -0.7546  |           |           |           |           |           |
| 184754      | 1             | 1.0      | -1.0664  |           |           |           |           |           |
| 184756      | 1             | 1.0      | -0.4165  |           |           |           |           |           |
| 182643      | 1             | 1.0      | -1.5194  |           |           |           |           |           |
| 182647      | 1             | 1.0      | -1.1824  |           |           |           |           |           |
| 182650      | 1             | 1.0      | -1.4284  |           |           |           |           |           |
| 182646      | 1             | 1.0      | -0.9646  |           |           |           |           |           |
| 182652      | 1             | 1.0      | -0.4946  |           |           |           |           |           |
| 184760      | 2             | 1.0      | -0.6953  | 0.2971    | -0.2971   |           |           |           |
| 182657      | 2             | 1.0      | 0.3525   | 0.7212    | -0.7212   |           |           |           |
| 182653      | 2             | 1.0      | -0.7488  | 0.6635    | -0.6635   |           |           |           |
| 182925      | 1             | 1.0      | -0.6625  |           |           |           |           |           |
| 182926      | 1             | 1.0      | -0.9775  |           |           |           |           |           |
| 182932      | 1             | 1.0      | -0.1270  |           |           |           |           |           |
| 182931      | 1             | 1.0      | -0.5842  |           |           |           |           |           |
| 182933      | 1             | 1.0      | 0.0794   |           |           |           |           |           |
| 183873      | 1             | 1.0      | -0.1988  |           |           |           |           |           |
| 183875      | 1             | 1.0      | -0.8242  |           |           |           |           |           |
| 215138      | 1             | 1.0      | -0.4755  |           |           |           |           |           |
| 215139      | 1             | 1.0      | -0.3205  |           |           |           |           |           |
| 183883      | 1             | 1.0      | 0.2852   |           |           |           |           |           |
| 182934      | 2             | 1.0      | 0.4550   | 0.5970    | -0.5970   |           |           |           |
| 190354      | 4             | 1.0      | 0.6921   | 1.3331    | 0.4018    | -0.9154   | -0.8195   |           |
| 183620      | 1             | 1.0      | -2.5081  |           |           |           |           |           |
| 187986      | 1             | 1.0      | -1.8869  |           |           |           |           |           |
| 186312      | 1             | 1.0      | -1.7976  |           |           |           |           |           |
| 183614      | 1             | 1.0      | -1.9035  |           |           |           |           |           |
| 227553      | 1             | 1.0      | -1.9361  |           |           |           |           |           |
| 186324      | 1             | 1.0      | -1.9703  |           |           |           |           |           |
| 183576      | 2             | 1.0      | -1.707   | 0.0188    | -0.0188   |           |           |           |
| 186337      | 2             | 1.0      | -1.561   | 0.1810    | -0.1810   |           |           |           |
| 186343      | 2             | 1.0      | -1.5382  | -0.2985   | 0.2985    |           |           |           |
| 186354      | 2             | 1.0      | -0.7934  | 0.5408    | -0.5408   |           |           |           |
| 183362      | 1             | 1.0      | 0.0388   |           |           |           |           |           |

(cont'd)

| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 215720 | 1      | 1.0 | -0.4138 |        |         |         |         |         |
| 183587 | 1      | 1.0 | -0.5908 |        |         |         |         |         |
| 184048 | 1      | 1.0 | -1.7076 |        |         |         |         |         |
| 186574 | 2      | 1.0 | -0.8887 | 0.7889 | -0.7889 |         |         |         |
| 186604 | 2      | 1.0 | -0.6818 | 0.6510 | -0.6510 |         |         |         |
| 214957 | 2      | 1.0 | -0.9169 | 0.3904 | -0.3904 |         |         |         |
| 186634 | 4      | 1.0 | -0.1895 | 1.0165 | 0.7387  | -0.6195 | -1.1357 |         |
| 183598 | 1      | 1.0 | -0.6227 |        |         |         |         |         |
| 193401 | 1      | 1.0 | -0.4255 |        |         |         |         |         |
| 193402 | 1      | 1.0 | -0.2366 |        |         |         |         |         |
| 183600 | 1      | 1.0 | -0.5500 |        |         |         |         |         |
| 186716 | 4      | 1.0 | 0.3546  | 1.4524 | 0.4278  | -0.7178 | -1.1624 |         |
| 214958 | 4      | 1.0 | -0.0632 | 0.9713 | 0.6812  | -0.4351 | -1.2174 |         |
| 186719 | 4      | 1.0 | 0.5910  | 1.145  | 0.2899  | -0.6686 | -0.7664 |         |
| LisTot | 5      | 1.0 | -1.0828 | 1.5395 | 0.5931  | 0.0886  | -0.6647 | -1.5565 |
| SpeFlu | 5      | 1.0 | -0.8654 | 1.5900 | 0.4965  | 0.0907  | -0.5802 | -1.5970 |
| SpeVoc | 5      | 1.0 | -0.8260 | 1.6730 | 0.6098  | 0.2569  | -0.7399 | -1.7999 |
| SpePro | 5      | 1.0 | -0.8660 | 1.5876 | 0.6633  | 0.0924  | -0.6749 | -1.6683 |
| SpeGra | 5      | 1.0 | -0.7305 | 1.5502 | 0.7162  | 0.0598  | -0.5536 | -1.7726 |

**Table B-11. 2004–2008 MEPA:  
Item Parameters—Grade Span 5–6, Fall 2005**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 181661 | 1      | 1.0 | -2.7025 |         |         |         |         |    |
| 227552 | 1      | 1.0 | -1.8716 |         |         |         |         |    |
| 182010 | 1      | 1.0 | -1.9401 |         |         |         |         |    |
| 182014 | 1      | 1.0 | -1.7851 |         |         |         |         |    |
| 181915 | 1      | 1.0 | -2.5361 |         |         |         |         |    |
| 182018 | 1      | 1.0 | -1.4926 |         |         |         |         |    |
| 182016 | 1      | 1.0 | -0.6039 |         |         |         |         |    |
| 190043 | 1      | 1.0 | -1.3953 |         |         |         |         |    |
| 214959 | 1      | 1.0 | -1.7079 |         |         |         |         |    |
| 214960 | 1      | 1.0 | -1.0363 |         |         |         |         |    |
| 214961 | 2      | 1.0 | -1.5995 | -0.2468 | 0.2468  |         |         |    |
| 214962 | 2      | 1.0 | -1.7609 | -0.3363 | 0.3363  |         |         |    |
| 182035 | 2      | 1.0 | -1.3564 | 0.6059  | -0.6059 |         |         |    |
| 184747 | 1      | 1.0 | -0.5368 |         |         |         |         |    |
| 184750 | 1      | 1.0 | -0.3101 |         |         |         |         |    |
| 184753 | 1      | 1.0 | -0.7546 |         |         |         |         |    |
| 184754 | 1      | 1.0 | -1.0664 |         |         |         |         |    |
| 184756 | 1      | 1.0 | -0.4165 |         |         |         |         |    |
| 182643 | 1      | 1.0 | -1.5194 |         |         |         |         |    |
| 182647 | 1      | 1.0 | -1.1824 |         |         |         |         |    |
| 182650 | 1      | 1.0 | -1.4284 |         |         |         |         |    |
| 182646 | 1      | 1.0 | -0.9646 |         |         |         |         |    |
| 182652 | 1      | 1.0 | -0.4946 |         |         |         |         |    |
| 184760 | 2      | 1.0 | -0.6953 | 0.2971  | -0.2971 |         |         |    |
| 182657 | 2      | 1.0 | 0.3525  | 0.7212  | -0.7212 |         |         |    |
| 182653 | 2      | 1.0 | -0.7488 | 0.6635  | -0.6635 |         |         |    |
| 182925 | 1      | 1.0 | -0.6625 |         |         |         |         |    |
| 182926 | 1      | 1.0 | -0.9775 |         |         |         |         |    |
| 182932 | 1      | 1.0 | -0.1270 |         |         |         |         |    |
| 182931 | 1      | 1.0 | -0.5842 |         |         |         |         |    |
| 182933 | 1      | 1.0 | 0.0794  |         |         |         |         |    |
| 183873 | 1      | 1.0 | -0.1988 |         |         |         |         |    |
| 183875 | 1      | 1.0 | -0.8242 |         |         |         |         |    |
| 215138 | 1      | 1.0 | -0.4755 |         |         |         |         |    |
| 215139 | 1      | 1.0 | -0.3205 |         |         |         |         |    |
| 183883 | 1      | 1.0 | 0.2852  |         |         |         |         |    |
| 182934 | 2      | 1.0 | 0.4550  | 0.5970  | -0.5970 |         |         |    |
| 190354 | 4      | 1.0 | 0.6921  | 1.3331  | 0.4018  | -0.9154 | -0.8195 |    |
| 183620 | 1      | 1.0 | -2.5081 |         |         |         |         |    |
| 187986 | 1      | 1.0 | -1.8869 |         |         |         |         |    |
| 186312 | 1      | 1.0 | -1.7976 |         |         |         |         |    |
| 183614 | 1      | 1.0 | -1.9035 |         |         |         |         |    |
| 227553 | 1      | 1.0 | -1.9361 |         |         |         |         |    |
| 186324 | 1      | 1.0 | -1.9703 |         |         |         |         |    |
| 183576 | 2      | 1.0 | -1.7070 | 0.0188  | -0.0188 |         |         |    |
| 186337 | 2      | 1.0 | -1.5610 | 0.1810  | -0.1810 |         |         |    |
| 186343 | 2      | 1.0 | -1.5382 | -0.2985 | 0.2985  |         |         |    |
| 186354 | 2      | 1.0 | -0.7934 | 0.5408  | -0.5408 |         |         |    |
| 183362 | 1      | 1.0 | 0.0388  |         |         |         |         |    |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 215720 | 1      | 1.0 | -0.4138 |        |         |         |         |         |
| 183587 | 1      | 1.0 | -0.5908 |        |         |         |         |         |
| 184048 | 1      | 1.0 | -1.7076 |        |         |         |         |         |
| 186574 | 2      | 1.0 | -0.8887 | 0.7889 | -0.7889 |         |         |         |
| 186604 | 2      | 1.0 | -0.6818 | 0.6510 | -0.6510 |         |         |         |
| 214957 | 2      | 1.0 | -0.9169 | 0.3904 | -0.3904 |         |         |         |
| 186634 | 4      | 1.0 | -0.1895 | 1.0165 | 0.7387  | -0.6195 | -1.1357 |         |
| 183598 | 1      | 1.0 | -0.6227 |        |         |         |         |         |
| 193401 | 1      | 1.0 | -0.4255 |        |         |         |         |         |
| 193402 | 1      | 1.0 | -0.2366 |        |         |         |         |         |
| 183600 | 1      | 1.0 | -0.5500 |        |         |         |         |         |
| 186716 | 4      | 1.0 | 0.3546  | 1.4524 | 0.4278  | -0.7178 | -1.1624 |         |
| 214958 | 4      | 1.0 | -0.0632 | 0.9713 | 0.6812  | -0.4351 | -1.2174 |         |
| 186719 | 4      | 1.0 | 0.5910  | 1.1450 | 0.2899  | -0.6686 | -0.7664 |         |
| LisTot | 5      | 1.0 | -1.0828 | 1.5395 | 0.5931  | 0.0886  | -0.6647 | -1.5565 |
| SpeFlu | 5      | 1.0 | -0.8654 | 1.5900 | 0.4965  | 0.0907  | -0.5802 | -1.5970 |
| SpeVoc | 5      | 1.0 | -0.8260 | 1.6730 | 0.6098  | 0.2569  | -0.7399 | -1.7999 |
| SpePro | 5      | 1.0 | -0.8660 | 1.5876 | 0.6633  | 0.0924  | -0.6749 | -1.6683 |
| SpeGra | 5      | 1.0 | -0.7305 | 1.5502 | 0.7162  | 0.0598  | -0.5536 | -1.7726 |



**Table B-12. 2004–2008 MEPA:  
Item Parameters—Grade Span 5–6, Spring 2006**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181672      | 1             | 1.0      | -2.4833  |           |           |           |           |           |
| 189402      | 1             | 1.0      | -3.2486  |           |           |           |           |           |
| 181708      | 1             | 1.0      | -0.9662  |           |           |           |           |           |
| 190035      | 1             | 1.0      | -1.2960  |           |           |           |           |           |
| 181723      | 1             | 1.0      | -0.6734  |           |           |           |           |           |
| 182013      | 1             | 1.0      | -1.2674  |           |           |           |           |           |
| 182014      | 1             | 1.0      | -1.7851  |           |           |           |           |           |
| 182020      | 1             | 1.0      | -1.8230  |           |           |           |           |           |
| 182022      | 1             | 1.0      | 0.1145   |           |           |           |           |           |
| 181911      | 1             | 1.0      | -2.5604  |           |           |           |           |           |
| 181929      | 2             | 1.0      | -1.3876  | -0.2169   | 0.2169    |           |           |           |
| 248672      | 2             | 1.0      | -1.4813  | 0.2518    | -0.2518   |           |           |           |
| 248673      | 2             | 1.0      | -1.0426  | 0.1510    | -0.1510   |           |           |           |
| 248674      | 1             | 1.0      | -0.9638  |           |           |           |           |           |
| 248675      | 1             | 1.0      | -1.7553  |           |           |           |           |           |
| 248676      | 1             | 1.0      | -0.2691  |           |           |           |           |           |
| 248677      | 1             | 1.0      | -0.8414  |           |           |           |           |           |
| 248678      | 1             | 1.0      | -0.5894  |           |           |           |           |           |
| 182600      | 1             | 1.0      | -1.1007  |           |           |           |           |           |
| 182594      | 1             | 1.0      | -1.2047  |           |           |           |           |           |
| 182599      | 1             | 1.0      | -0.3570  |           |           |           |           |           |
| 182602      | 1             | 1.0      | -0.7738  |           |           |           |           |           |
| 182598      | 1             | 1.0      | -1.0704  |           |           |           |           |           |
| 190334      | 2             | 1.0      | -0.6534  | 0.5217    | -0.5217   |           |           |           |
| 182605      | 2             | 1.0      | -0.1331  | 0.7496    | -0.7496   |           |           |           |
| 193068      | 2             | 1.0      | 0.2029   | 0.6921    | -0.6921   |           |           |           |
| 182957      | 1             | 1.0      | -0.0876  |           |           |           |           |           |
| 182959      | 1             | 1.0      | -0.4435  |           |           |           |           |           |
| 182960      | 1             | 1.0      | 0.0271   |           |           |           |           |           |
| 182958      | 1             | 1.0      | -0.1254  |           |           |           |           |           |
| 182962      | 1             | 1.0      | 0.1486   |           |           |           |           |           |
| 183837      | 1             | 1.0      | -0.2483  |           |           |           |           |           |
| 183841      | 1             | 1.0      | -0.3198  |           |           |           |           |           |
| 183842      | 1             | 1.0      | 0.1271   |           |           |           |           |           |
| 183845      | 1             | 1.0      | -0.0949  |           |           |           |           |           |
| 183848      | 1             | 1.0      | -0.5121  |           |           |           |           |           |
| 190347      | 2             | 1.0      | -0.0317  | 0.8440    | -0.8440   |           |           |           |
| 257637      | 4             | 1.0      | 1.3494   | 0.8733    | 0.5951    | -0.1611   | -1.3074   |           |
| 183621      | 1             | 1.0      | -2.3742  |           |           |           |           |           |
| 186311      | 1             | 1.0      | -2.8709  |           |           |           |           |           |
| 186322      | 1             | 1.0      | -2.0964  |           |           |           |           |           |
| 186307      | 1             | 1.0      | -2.2021  |           |           |           |           |           |
| 186327      | 1             | 1.0      | -2.1904  |           |           |           |           |           |
| 183569      | 1             | 1.0      | -2.2176  |           |           |           |           |           |
| 186333      | 2             | 1.0      | -1.4658  | -0.0293   | 0.0293    |           |           |           |
| 186843      | 2             | 1.0      | -1.7747  | 0.2965    | -0.2965   |           |           |           |
| 186339      | 2             | 1.0      | -1.4038  | -0.5270   | 0.5270    |           |           |           |
| 257734      | 2             | 1.0      | -1.1586  | -0.0382   | 0.0382    |           |           |           |
| 183996      | 1             | 1.0      | -0.7080  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 184044 | 1      | 1.0 | -0.4908 |        |         |         |         |         |
| 183579 | 1      | 1.0 | -0.0553 |        |         |         |         |         |
| 184049 | 1      | 1.0 | -1.6378 |        |         |         |         |         |
| 183590 | 2      | 1.0 | -0.9465 | 0.6533 | -0.6533 |         |         |         |
| 186585 | 2      | 1.0 | -0.7735 | 0.4277 | -0.4277 |         |         |         |
| 192986 | 2      | 1.0 | -0.9325 | 0.6007 | -0.6007 |         |         |         |
| 186636 | 4      | 1.0 | 0.1358  | 1.8700 | 0.4667  | -0.8064 | -1.5303 |         |
| 186656 | 1      | 1.0 | -0.0939 |        |         |         |         |         |
| 186659 | 1      | 1.0 | -0.2586 |        |         |         |         |         |
| 186662 | 1      | 1.0 | -0.3249 |        |         |         |         |         |
| 186664 | 1      | 1.0 | -0.7028 |        |         |         |         |         |
| 186693 | 4      | 1.0 | 0.0390  | 1.3441 | 0.7103  | -0.6847 | -1.3697 |         |
| 183609 | 4      | 1.0 | 0.2971  | 1.3348 | 0.6345  | -0.6533 | -1.3160 |         |
| 186720 | 4      | 1.0 | -0.0712 | 1.0869 | 0.6497  | -0.5893 | -1.1473 |         |
| LisTot | 5      | 1.0 | -0.9680 | 1.5719 | 0.5298  | 0.0252  | -0.6524 | -1.4744 |
| SpeFlu | 5      | 1.0 | -0.7878 | 1.6405 | 0.4261  | 0.0471  | -0.5933 | -1.5205 |
| SpeVoc | 5      | 1.0 | -0.7406 | 1.7180 | 0.5494  | 0.1859  | -0.7097 | -1.7435 |
| SpePro | 5      | 1.0 | -0.7854 | 1.6033 | 0.5885  | 0.0707  | -0.6766 | -1.5859 |
| SpeGra | 5      | 1.0 | -0.6514 | 1.5910 | 0.6147  | 0.0211  | -0.5441 | -1.6827 |

**Table B-13. 2004–2008 MEPA:  
Item Parameters—Grade Span 5–6, Fall 2006**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181672      | 1             | 1.0      | -2.4833  |           |           |           |           |           |
| 189402      | 1             | 1.0      | -3.2486  |           |           |           |           |           |
| 181708      | 1             | 1.0      | -0.9662  |           |           |           |           |           |
| 190035      | 1             | 1.0      | -1.2960  |           |           |           |           |           |
| 181723      | 1             | 1.0      | -0.6734  |           |           |           |           |           |
| 182013      | 1             | 1.0      | -1.2674  |           |           |           |           |           |
| 182014      | 1             | 1.0      | -1.7851  |           |           |           |           |           |
| 182020      | 1             | 1.0      | -1.8230  |           |           |           |           |           |
| 182022      | 1             | 1.0      | 0.1145   |           |           |           |           |           |
| 181911      | 1             | 1.0      | -2.5604  |           |           |           |           |           |
| 181929      | 2             | 1.0      | -1.3876  | -0.2169   | 0.2169    |           |           |           |
| 248672      | 2             | 1.0      | -1.4813  | 0.2518    | -0.2518   |           |           |           |
| 248673      | 2             | 1.0      | -1.0426  | 0.1510    | -0.1510   |           |           |           |
| 248674      | 1             | 1.0      | -0.9638  |           |           |           |           |           |
| 248675      | 1             | 1.0      | -1.7553  |           |           |           |           |           |
| 248676      | 1             | 1.0      | -0.2691  |           |           |           |           |           |
| 248677      | 1             | 1.0      | -0.8414  |           |           |           |           |           |
| 248678      | 1             | 1.0      | -0.5894  |           |           |           |           |           |
| 182600      | 1             | 1.0      | -1.1007  |           |           |           |           |           |
| 182594      | 1             | 1.0      | -1.2047  |           |           |           |           |           |
| 182599      | 1             | 1.0      | -0.3570  |           |           |           |           |           |
| 182602      | 1             | 1.0      | -0.7738  |           |           |           |           |           |
| 182598      | 1             | 1.0      | -1.0704  |           |           |           |           |           |
| 190334      | 2             | 1.0      | -0.6534  | 0.5217    | -0.5217   |           |           |           |
| 182605      | 2             | 1.0      | -0.1331  | 0.7496    | -0.7496   |           |           |           |
| 193068      | 2             | 1.0      | 0.2029   | 0.6921    | -0.6921   |           |           |           |
| 182957      | 1             | 1.0      | -0.0876  |           |           |           |           |           |
| 182959      | 1             | 1.0      | -0.4435  |           |           |           |           |           |
| 182960      | 1             | 1.0      | 0.0271   |           |           |           |           |           |
| 182958      | 1             | 1.0      | -0.1254  |           |           |           |           |           |
| 182962      | 1             | 1.0      | 0.1486   |           |           |           |           |           |
| 183837      | 1             | 1.0      | -0.2483  |           |           |           |           |           |
| 183841      | 1             | 1.0      | -0.3198  |           |           |           |           |           |
| 183842      | 1             | 1.0      | 0.1271   |           |           |           |           |           |
| 183845      | 1             | 1.0      | -0.0949  |           |           |           |           |           |
| 183848      | 1             | 1.0      | -0.5121  |           |           |           |           |           |
| 190347      | 2             | 1.0      | -0.0317  | 0.8440    | -0.8440   |           |           |           |
| 257637      | 4             | 1.0      | 1.3494   | 0.8733    | 0.5951    | -0.1611   | -1.3074   |           |
| 183621      | 1             | 1.0      | -2.3742  |           |           |           |           |           |
| 186311      | 1             | 1.0      | -2.8709  |           |           |           |           |           |
| 186322      | 1             | 1.0      | -2.0964  |           |           |           |           |           |
| 186307      | 1             | 1.0      | -2.2021  |           |           |           |           |           |
| 186327      | 1             | 1.0      | -2.1904  |           |           |           |           |           |
| 183569      | 1             | 1.0      | -2.2176  |           |           |           |           |           |
| 186333      | 2             | 1.0      | -1.4658  | -0.0293   | 0.0293    |           |           |           |
| 186843      | 2             | 1.0      | -1.7747  | 0.2965    | -0.2965   |           |           |           |
| 186339      | 2             | 1.0      | -1.4038  | -0.5270   | 0.5270    |           |           |           |
| 257734      | 2             | 1.0      | -1.1586  | -0.0382   | 0.0382    |           |           |           |
| 183996      | 1             | 1.0      | -0.7080  |           |           |           |           |           |

(cont'd)

| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 184044 | 1      | 1.0 | -0.4908 |        |         |         |         |         |
| 183579 | 1      | 1.0 | -0.0553 |        |         |         |         |         |
| 184049 | 1      | 1.0 | -1.6378 |        |         |         |         |         |
| 183590 | 2      | 1.0 | -0.9465 | 0.6533 | -0.6533 |         |         |         |
| 186585 | 2      | 1.0 | -0.7735 | 0.4277 | -0.4277 |         |         |         |
| 192986 | 2      | 1.0 | -0.9325 | 0.6007 | -0.6007 |         |         |         |
| 186636 | 4      | 1.0 | 0.1358  | 1.8700 | 0.4667  | -0.8064 | -1.5303 |         |
| 186656 | 1      | 1.0 | -0.0939 |        |         |         |         |         |
| 186659 | 1      | 1.0 | -0.2586 |        |         |         |         |         |
| 186662 | 1      | 1.0 | -0.3249 |        |         |         |         |         |
| 186664 | 1      | 1.0 | -0.7028 |        |         |         |         |         |
| 186693 | 4      | 1.0 | 0.0390  | 1.3441 | 0.7103  | -0.6847 | -1.3697 |         |
| 183609 | 4      | 1.0 | 0.2971  | 1.3348 | 0.6345  | -0.6533 | -1.3160 |         |
| 186720 | 4      | 1.0 | -0.0712 | 1.0869 | 0.6497  | -0.5893 | -1.1473 |         |
| LisTot | 5      | 1.0 | -0.9680 | 1.5719 | 0.5298  | 0.0252  | -0.6524 | -1.4744 |
| SpeFlu | 5      | 1.0 | -0.7878 | 1.6405 | 0.4261  | 0.0471  | -0.5933 | -1.5205 |
| SpeVoc | 5      | 1.0 | -0.7406 | 1.7180 | 0.5494  | 0.1859  | -0.7097 | -1.7435 |
| SpePro | 5      | 1.0 | -0.7854 | 1.6033 | 0.5885  | 0.0707  | -0.6766 | -1.5859 |
| SpeGra | 5      | 1.0 | -0.6514 | 1.5910 | 0.6147  | 0.0211  | -0.5441 | -1.6827 |

**Table B-14. 2004–2008 MEPA:  
Item Parameters—Grade Span 5–6, Spring 2007**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181654      | 1             | 1.0      | -2.7456  |           |           |           |           |           |
| 181669      | 1             | 1.0      | -2.5881  |           |           |           |           |           |
| 181703      | 1             | 1.0      | -0.8541  |           |           |           |           |           |
| 261702      | 1             | 1.0      | -0.6891  |           |           |           |           |           |
| 190045      | 1             | 1.0      | -1.6107  |           |           |           |           |           |
| 182008      | 1             | 1.0      | -2.0103  |           |           |           |           |           |
| 182009      | 1             | 1.0      | -1.6582  |           |           |           |           |           |
| 261703      | 1             | 1.0      | -1.0555  |           |           |           |           |           |
| 261704      | 1             | 1.0      | -1.3509  |           |           |           |           |           |
| 190039      | 1             | 1.0      | -1.5379  |           |           |           |           |           |
| 181947      | 2             | 1.0      | -1.1838  | -0.2075   | 0.2075    |           |           |           |
| 182044      | 2             | 1.0      | -1.4402  | 0.1773    | -0.1773   |           |           |           |
| 182047      | 2             | 1.0      | -1.5091  | 0.4921    | -0.4921   |           |           |           |
| 184020      | 1             | 1.0      | -1.1077  |           |           |           |           |           |
| 184022      | 1             | 1.0      | 0.0611   |           |           |           |           |           |
| 184023      | 1             | 1.0      | -0.9041  |           |           |           |           |           |
| 184024      | 1             | 1.0      | -0.6072  |           |           |           |           |           |
| 184025      | 1             | 1.0      | -0.6515  |           |           |           |           |           |
| 182643      | 1             | 1.0      | -1.5194  |           |           |           |           |           |
| 182647      | 1             | 1.0      | -1.1824  |           |           |           |           |           |
| 261706      | 1             | 1.0      | -1.4883  |           |           |           |           |           |
| 261707      | 1             | 1.0      | -1.0126  |           |           |           |           |           |
| 261708      | 1             | 1.0      | -0.5296  |           |           |           |           |           |
| 261705      | 2             | 1.0      | -0.3478  | 0.4646    | -0.4646   |           |           |           |
| 182657      | 2             | 1.0      | 0.3525   | 0.7212    | -0.7212   |           |           |           |
| 261709      | 2             | 1.0      | -0.7970  | 0.5764    | -0.5764   |           |           |           |
| 182979      | 1             | 1.0      | -0.4822  |           |           |           |           |           |
| 182977      | 1             | 1.0      | -1.0856  |           |           |           |           |           |
| 182985      | 1             | 1.0      | -0.0195  |           |           |           |           |           |
| 261710      | 1             | 1.0      | 0.3703   |           |           |           |           |           |
| 182983      | 1             | 1.0      | -0.2412  |           |           |           |           |           |
| 183873      | 1             | 1.0      | -0.1988  |           |           |           |           |           |
| 183875      | 1             | 1.0      | -0.8242  |           |           |           |           |           |
| 215138      | 1             | 1.0      | -0.4419  |           |           |           |           |           |
| 215139      | 1             | 1.0      | -0.3235  |           |           |           |           |           |
| 183883      | 1             | 1.0      | 0.2852   |           |           |           |           |           |
| 182988      | 2             | 1.0      | -0.4310  | 0.6783    | -0.6783   |           |           |           |
| 190354      | 4             | 1.0      | 0.6921   | 1.3331    | 0.4018    | -0.9154   | -0.8195   |           |
| 183616      | 1             | 1.0      | -2.3504  |           |           |           |           |           |
| 183618      | 1             | 1.0      | -2.4518  |           |           |           |           |           |
| 186310      | 1             | 1.0      | -1.9481  |           |           |           |           |           |
| 186319      | 1             | 1.0      | -2.1320  |           |           |           |           |           |
| 261711      | 1             | 1.0      | -1.7615  |           |           |           |           |           |
| 261712      | 1             | 1.0      | -1.9374  |           |           |           |           |           |
| 261713      | 2             | 1.0      | -1.6433  | -0.1350   | 0.1350    |           |           |           |
| 261714      | 2             | 1.0      | -1.7400  | -0.2178   | 0.2178    |           |           |           |
| 261715      | 2             | 1.0      | -1.7068  | -0.0119   | 0.0119    |           |           |           |
| 183591      | 2             | 1.0      | -0.6949  | 0.5060    | -0.5060   |           |           |           |
| 183578      | 1             | 1.0      | -0.3294  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 183583 | 1      | 1.0 | -1.1689 |        |         |         |         |         |
| 183774 | 1      | 1.0 | -0.7131 |        |         |         |         |         |
| 261716 | 1      | 1.0 | -0.4178 |        |         |         |         |         |
| 261717 | 2      | 1.0 | -0.9262 | 0.3250 | -0.3250 |         |         |         |
| 261718 | 2      | 1.0 | -0.8165 | 0.2060 | -0.2060 |         |         |         |
| 261719 | 2      | 1.0 | -0.8924 | 0.4123 | -0.4123 |         |         |         |
| 186638 | 4      | 1.0 | 0.1650  | 1.7349 | 0.5243  | -0.8884 | -1.3708 |         |
| 186667 | 1      | 1.0 | -0.1609 |        |         |         |         |         |
| 193405 | 1      | 1.0 | 0.0897  |        |         |         |         |         |
| 186674 | 1      | 1.0 | -0.1609 |        |         |         |         |         |
| 193406 | 1      | 1.0 | -0.8053 |        |         |         |         |         |
| 186707 | 4      | 1.0 | 0.0200  | 1.0797 | 0.4617  | -0.6543 | -0.8872 |         |
| 186692 | 4      | 1.0 | 0.0440  | 1.1840 | 0.7025  | -0.4044 | -1.4821 |         |
| 186710 | 4      | 1.0 | -0.0065 | 1.1915 | 0.8087  | -0.6627 | -1.3375 |         |
| LisTot | 5      | 1.0 | -1.0162 | 1.6124 | 0.5051  | 0.0881  | -0.7247 | -1.4810 |
| SpeFlu | 5      | 1.0 | -0.8124 | 1.5483 | 0.4240  | 0.0957  | -0.6069 | -1.4611 |
| SpeVoc | 5      | 1.0 | -0.7782 | 1.6639 | 0.5405  | 0.1986  | -0.7272 | -1.6758 |
| SpePro | 5      | 1.0 | -0.8283 | 1.5276 | 0.6226  | 0.0785  | -0.6919 | -1.5368 |
| SpeGra | 5      | 1.0 | -0.6946 | 1.4933 | 0.6892  | 0.0312  | -0.5636 | -1.6502 |

**Table B-15. 2004–2008 MEPA:  
Item Parameters—Grade Span 5–6, Fall 2007**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 181661 | 1      | 1.0 | -2.7025 |         |         |         |         |    |
| 227552 | 1      | 1.0 | -1.8716 |         |         |         |         |    |
| 182010 | 1      | 1.0 | -1.9401 |         |         |         |         |    |
| 182014 | 1      | 1.0 | -1.7851 |         |         |         |         |    |
| 181915 | 1      | 1.0 | -2.5361 |         |         |         |         |    |
| 182018 | 1      | 1.0 | -1.4926 |         |         |         |         |    |
| 182016 | 1      | 1.0 | -0.6039 |         |         |         |         |    |
| 190043 | 1      | 1.0 | -1.3953 |         |         |         |         |    |
| 214959 | 1      | 1.0 | -1.7079 |         |         |         |         |    |
| 214960 | 1      | 1.0 | -1.0363 |         |         |         |         |    |
| 214961 | 2      | 1.0 | -1.5995 | -0.2468 | 0.2468  |         |         |    |
| 214962 | 2      | 1.0 | -1.7609 | -0.3363 | 0.3363  |         |         |    |
| 182035 | 2      | 1.0 | -1.3564 | 0.6059  | -0.6059 |         |         |    |
| 184747 | 1      | 1.0 | -0.5368 |         |         |         |         |    |
| 184750 | 1      | 1.0 | -0.3101 |         |         |         |         |    |
| 184753 | 1      | 1.0 | -0.7546 |         |         |         |         |    |
| 184754 | 1      | 1.0 | -1.0664 |         |         |         |         |    |
| 184756 | 1      | 1.0 | -0.4165 |         |         |         |         |    |
| 182643 | 1      | 1.0 | -1.5194 |         |         |         |         |    |
| 182647 | 1      | 1.0 | -1.1824 |         |         |         |         |    |
| 182650 | 1      | 1.0 | -1.4284 |         |         |         |         |    |
| 182646 | 1      | 1.0 | -0.9646 |         |         |         |         |    |
| 182652 | 1      | 1.0 | -0.4946 |         |         |         |         |    |
| 184760 | 2      | 1.0 | -0.6953 | 0.2971  | -0.2971 |         |         |    |
| 182657 | 2      | 1.0 | 0.3525  | 0.7212  | -0.7212 |         |         |    |
| 182653 | 2      | 1.0 | -0.7488 | 0.6635  | -0.6635 |         |         |    |
| 182925 | 1      | 1.0 | -0.6625 |         |         |         |         |    |
| 182926 | 1      | 1.0 | -0.9775 |         |         |         |         |    |
| 182932 | 1      | 1.0 | -0.127  |         |         |         |         |    |
| 182931 | 1      | 1.0 | -0.5842 |         |         |         |         |    |
| 182933 | 1      | 1.0 | 0.0794  |         |         |         |         |    |
| 183873 | 1      | 1.0 | -0.1988 |         |         |         |         |    |
| 183875 | 1      | 1.0 | -0.8242 |         |         |         |         |    |
| 215138 | 1      | 1.0 | -0.4755 |         |         |         |         |    |
| 215139 | 1      | 1.0 | -0.3205 |         |         |         |         |    |
| 183883 | 1      | 1.0 | 0.2852  |         |         |         |         |    |
| 182934 | 2      | 1.0 | 0.4550  | 0.5970  | -0.5970 |         |         |    |
| 190354 | 4      | 1.0 | 0.6921  | 1.3331  | 0.4018  | -0.9154 | -0.8195 |    |
| 183620 | 1      | 1.0 | -2.5081 |         |         |         |         |    |
| 187986 | 1      | 1.0 | -1.8869 |         |         |         |         |    |
| 186312 | 1      | 1.0 | -1.7976 |         |         |         |         |    |
| 183614 | 1      | 1.0 | -1.9035 |         |         |         |         |    |
| 227553 | 1      | 1.0 | -1.9361 |         |         |         |         |    |
| 186324 | 1      | 1.0 | -1.9703 |         |         |         |         |    |
| 183576 | 2      | 1.0 | -1.707  | 0.0188  | -0.0188 |         |         |    |
| 186337 | 2      | 1.0 | -1.5610 | 0.1810  | -0.1810 |         |         |    |
| 186343 | 2      | 1.0 | -1.5382 | -0.2985 | 0.2985  |         |         |    |
| 186354 | 2      | 1.0 | -0.7934 | 0.5408  | -0.5408 |         |         |    |
| 183362 | 1      | 1.0 | 0.0388  |         |         |         |         |    |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 215720 | 1      | 1.0 | -0.4138 |        |         |         |         |         |
| 183587 | 1      | 1.0 | -0.5908 |        |         |         |         |         |
| 184048 | 1      | 1.0 | -1.7076 |        |         |         |         |         |
| 186574 | 2      | 1.0 | -0.8887 | 0.7889 | -0.7889 |         |         |         |
| 186604 | 2      | 1.0 | -0.6818 | 0.6510 | -0.6510 |         |         |         |
| 214957 | 2      | 1.0 | -0.9169 | 0.3904 | -0.3904 |         |         |         |
| 186634 | 4      | 1.0 | -0.1895 | 1.0165 | 0.7387  | -0.6195 | -1.1357 |         |
| 183598 | 1      | 1.0 | -0.6227 |        |         |         |         |         |
| 193401 | 1      | 1.0 | -0.4255 |        |         |         |         |         |
| 193402 | 1      | 1.0 | -0.2366 |        |         |         |         |         |
| 183600 | 1      | 1.0 | -0.5500 |        |         |         |         |         |
| 186716 | 4      | 1.0 | 0.3546  | 1.4524 | 0.4278  | -0.7178 | -1.1624 |         |
| 214958 | 4      | 1.0 | -0.0632 | 0.9713 | 0.6812  | -0.4351 | -1.2174 |         |
| 186719 | 4      | 1.0 | 0.5910  | 1.1450 | 0.2899  | -0.6686 | -0.7664 |         |
| LisTot | 5      | 1.0 | -1.0828 | 1.5395 | 0.5931  | 0.0886  | -0.6647 | -1.5565 |
| SpeFlu | 5      | 1.0 | -0.8654 | 1.5900 | 0.4965  | 0.0907  | -0.5802 | -1.5970 |
| SpeVoc | 5      | 1.0 | -0.8260 | 1.6730 | 0.6098  | 0.2569  | -0.7399 | -1.7999 |
| SpePro | 5      | 1.0 | -0.8660 | 1.5876 | 0.6633  | 0.0924  | -0.6749 | -1.6683 |
| SpeGra | 5      | 1.0 | -0.7305 | 1.5502 | 0.7162  | 0.0598  | -0.5536 | -1.7726 |



**Table B-16. 2004–2008 MEPA:  
Item Parameters—Grade Span 5–6, Spring 2008**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181672      | 1             | 1.0      | -2.4833  |           |           |           |           |           |
| 189402      | 1             | 1.0      | -3.2486  |           |           |           |           |           |
| 181708      | 1             | 1.0      | -0.9662  |           |           |           |           |           |
| 190035      | 1             | 1.0      | -1.2960  |           |           |           |           |           |
| 181723      | 1             | 1.0      | -0.6734  |           |           |           |           |           |
| 182013      | 1             | 1.0      | -1.2674  |           |           |           |           |           |
| 182014      | 1             | 1.0      | -1.7851  |           |           |           |           |           |
| 182020      | 1             | 1.0      | -1.8230  |           |           |           |           |           |
| 182022      | 1             | 1.0      | 0.1145   |           |           |           |           |           |
| 181911      | 1             | 1.0      | -2.5604  |           |           |           |           |           |
| 181929      | 2             | 1.0      | -1.3876  | -0.2169   | 0.2169    |           |           |           |
| 248672      | 2             | 1.0      | -1.4813  | 0.2518    | -0.2518   |           |           |           |
| 248673      | 2             | 1.0      | -1.0426  | 0.1510    | -0.1510   |           |           |           |
| 248674      | 1             | 1.0      | -0.9638  |           |           |           |           |           |
| 248675      | 1             | 1.0      | -1.7553  |           |           |           |           |           |
| 248676      | 1             | 1.0      | -0.2691  |           |           |           |           |           |
| 248677      | 1             | 1.0      | -0.8414  |           |           |           |           |           |
| 248678      | 1             | 1.0      | -0.5894  |           |           |           |           |           |
| 182600      | 1             | 1.0      | -1.1007  |           |           |           |           |           |
| 182594      | 1             | 1.0      | -1.2047  |           |           |           |           |           |
| 182599      | 1             | 1.0      | -0.3570  |           |           |           |           |           |
| 182602      | 1             | 1.0      | -0.7738  |           |           |           |           |           |
| 182598      | 1             | 1.0      | -1.0704  |           |           |           |           |           |
| 190334      | 2             | 1.0      | -0.6534  | 0.5217    | -0.5217   |           |           |           |
| 182605      | 2             | 1.0      | -0.1331  | 0.7496    | -0.7496   |           |           |           |
| 193068      | 2             | 1.0      | 0.2029   | 0.6921    | -0.6921   |           |           |           |
| 182957      | 1             | 1.0      | -0.0876  |           |           |           |           |           |
| 182959      | 1             | 1.0      | -0.4435  |           |           |           |           |           |
| 182960      | 1             | 1.0      | 0.0271   |           |           |           |           |           |
| 182958      | 1             | 1.0      | -0.1254  |           |           |           |           |           |
| 182962      | 1             | 1.0      | 0.1486   |           |           |           |           |           |
| 183837      | 1             | 1.0      | -0.2483  |           |           |           |           |           |
| 183841      | 1             | 1.0      | -0.3198  |           |           |           |           |           |
| 183842      | 1             | 1.0      | 0.1271   |           |           |           |           |           |
| 183845      | 1             | 1.0      | -0.0949  |           |           |           |           |           |
| 183848      | 1             | 1.0      | -0.5121  |           |           |           |           |           |
| 190347      | 2             | 1.0      | -0.0317  | 0.8440    | -0.8440   |           |           |           |
| 257637      | 4             | 1.0      | 1.3494   | 0.8733    | 0.5951    | -0.1611   | -1.3074   |           |
| 183621      | 1             | 1.0      | -2.3742  |           |           |           |           |           |
| 186311      | 1             | 1.0      | -2.8709  |           |           |           |           |           |
| 186322      | 1             | 1.0      | -2.0964  |           |           |           |           |           |
| 186307      | 1             | 1.0      | -2.2021  |           |           |           |           |           |
| 186327      | 1             | 1.0      | -2.1904  |           |           |           |           |           |
| 183569      | 1             | 1.0      | -2.2176  |           |           |           |           |           |
| 186333      | 2             | 1.0      | -1.4658  | -0.0293   | 0.0293    |           |           |           |
| 186843      | 2             | 1.0      | -1.7747  | 0.2965    | -0.2965   |           |           |           |
| 186339      | 2             | 1.0      | -1.4038  | -0.5270   | 0.5270    |           |           |           |
| 257734      | 2             | 1.0      | -1.1586  | -0.0382   | 0.0382    |           |           |           |
| 183996      | 1             | 1.0      | -0.7080  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 184044 | 1      | 1.0 | -0.4908 |        |         |         |         |         |
| 183579 | 1      | 1.0 | -0.0553 |        |         |         |         |         |
| 184049 | 1      | 1.0 | -1.6378 |        |         |         |         |         |
| 183590 | 2      | 1.0 | -0.9465 | 0.6533 | -0.6533 |         |         |         |
| 186585 | 2      | 1.0 | -0.7735 | 0.4277 | -0.4277 |         |         |         |
| 192986 | 2      | 1.0 | -0.9325 | 0.6007 | -0.6007 |         |         |         |
| 186636 | 4      | 1.0 | 0.1358  | 1.8700 | 0.4667  | -0.8064 | -1.5303 |         |
| 186656 | 1      | 1.0 | -0.0939 |        |         |         |         |         |
| 186659 | 1      | 1.0 | -0.2586 |        |         |         |         |         |
| 186662 | 1      | 1.0 | -0.3249 |        |         |         |         |         |
| 186664 | 1      | 1.0 | -0.7028 |        |         |         |         |         |
| 186693 | 4      | 1.0 | 0.0390  | 1.3441 | 0.7103  | -0.6847 | -1.3697 |         |
| 183609 | 4      | 1.0 | 0.2971  | 1.3348 | 0.6345  | -0.6533 | -1.3160 |         |
| 186720 | 4      | 1.0 | -0.0712 | 1.0869 | 0.6497  | -0.5893 | -1.1473 |         |
| LisTot | 5      | 1.0 | -0.9680 | 1.5719 | 0.5298  | 0.0252  | -0.6524 | -1.4744 |
| SpeFlu | 5      | 1.0 | -0.7878 | 1.6405 | 0.4261  | 0.0471  | -0.5933 | -1.5205 |
| SpeVoc | 5      | 1.0 | -0.7406 | 1.7180 | 0.5494  | 0.1859  | -0.7097 | -1.7435 |
| SpePro | 5      | 1.0 | -0.7854 | 1.6033 | 0.5885  | 0.0707  | -0.6766 | -1.5859 |
| SpeGra | 5      | 1.0 | -0.6514 | 1.5910 | 0.6147  | 0.0211  | -0.5441 | -1.6827 |

**Table B-17. 2004–2008 MEPA:  
Item Parameters—Grade Span 7–8, Fall 2004**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 181746 | 1      | 1.0 | -2.6737 |         |         |         |         |    |
| 181967 | 1      | 1.0 | -2.5893 |         |         |         |         |    |
| 181974 | 1      | 1.0 | -2.2104 |         |         |         |         |    |
| 181973 | 1      | 1.0 | -2.3049 |         |         |         |         |    |
| 181766 | 1      | 1.0 | -1.9823 |         |         |         |         |    |
| 189123 | 1      | 1.0 | -2.0993 |         |         |         |         |    |
| 189206 | 1      | 1.0 | -2.2941 |         |         |         |         |    |
| 181779 | 1      | 1.0 | -1.4380 |         |         |         |         |    |
| 189182 | 1      | 1.0 | -1.1765 |         |         |         |         |    |
| 189261 | 1      | 1.0 | -0.4603 |         |         |         |         |    |
| 181800 | 2      | 1.0 | -0.4377 | -0.2091 | 0.2091  |         |         |    |
| 208534 | 2      | 1.0 | -1.5735 | -0.6520 | 0.6520  |         |         |    |
| 189417 | 2      | 1.0 | -0.5637 | 0.5842  | -0.5842 |         |         |    |
| 183044 | 1      | 1.0 | -1.0427 |         |         |         |         |    |
| 183045 | 1      | 1.0 | -1.5812 |         |         |         |         |    |
| 206710 | 1      | 1.0 | -0.4136 |         |         |         |         |    |
| 183048 | 1      | 1.0 | 0.0045  |         |         |         |         |    |
| 183049 | 1      | 1.0 | -0.4170 |         |         |         |         |    |
| 183162 | 1      | 1.0 | -0.8266 |         |         |         |         |    |
| 183161 | 1      | 1.0 | -0.8266 |         |         |         |         |    |
| 183164 | 1      | 1.0 | -0.5689 |         |         |         |         |    |
| 206711 | 1      | 1.0 | -0.3692 |         |         |         |         |    |
| 183166 | 1      | 1.0 | 0.0355  |         |         |         |         |    |
| 183051 | 2      | 1.0 | -0.6352 | 0.1535  | -0.1535 |         |         |    |
| 183167 | 2      | 1.0 | 0.4299  | 0.8695  | -0.8695 |         |         |    |
| 183168 | 2      | 1.0 | 0.0844  | 0.3787  | -0.3787 |         |         |    |
| 183182 | 1      | 1.0 | -0.4217 |         |         |         |         |    |
| 183192 | 1      | 1.0 | -0.5905 |         |         |         |         |    |
| 183191 | 1      | 1.0 | -0.3088 |         |         |         |         |    |
| 183195 | 1      | 1.0 | 0.4855  |         |         |         |         |    |
| 183190 | 1      | 1.0 | -0.5815 |         |         |         |         |    |
| 187750 | 1      | 1.0 | -0.4605 |         |         |         |         |    |
| 187751 | 1      | 1.0 | -0.3528 |         |         |         |         |    |
| 187752 | 1      | 1.0 | -0.7899 |         |         |         |         |    |
| 187753 | 1      | 1.0 | 0.2440  |         |         |         |         |    |
| 187754 | 1      | 1.0 | 0.2041  |         |         |         |         |    |
| 183196 | 2      | 1.0 | -0.1045 | 0.3090  | -0.3090 |         |         |    |
| 187759 | 4      | 1.0 | 0.3027  | 1.5460  | 0.154   | -0.7540 | -0.9459 |    |
| 208542 | 1      | 1.0 | -2.4744 |         |         |         |         |    |
| 208543 | 1      | 1.0 | -1.9404 |         |         |         |         |    |
| 208546 | 1      | 1.0 | -2.5273 |         |         |         |         |    |
| 208550 | 1      | 1.0 | -2.2517 |         |         |         |         |    |
| 208551 | 1      | 1.0 | -1.6322 |         |         |         |         |    |
| 208553 | 1      | 1.0 | -1.2922 |         |         |         |         |    |
| 208555 | 2      | 1.0 | -1.4265 | -0.3021 | 0.3021  |         |         |    |
| 208556 | 2      | 1.0 | -1.3459 | 0.3155  | -0.3155 |         |         |    |
| 208558 | 2      | 1.0 | -1.1914 | 0.1931  | -0.1931 |         |         |    |
| 208561 | 2      | 1.0 | -0.5229 | 0.4577  | -0.4577 |         |         |    |
| 183333 | 1      | 1.0 | -1.5199 |         |         |         |         |    |

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| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|---------|---------|---------|---------|---------|
| 186133 | 1      | 1.0 | -0.5285 |         |         |         |         |         |
| 186139 | 1      | 1.0 | -0.4514 |         |         |         |         |         |
| 186141 | 1      | 1.0 | -0.0921 |         |         |         |         |         |
| 183345 | 2      | 1.0 | -1.3108 | -0.0542 | 0.0542  |         |         |         |
| 186150 | 2      | 1.0 | -0.6901 | 0.3989  | -0.3989 |         |         |         |
| 186154 | 2      | 1.0 | -0.7410 | 0.1870  | -0.1870 |         |         |         |
| 208564 | 4      | 1.0 | 0.0947  | 1.0675  | 0.8124  | -0.5554 | -1.3245 |         |
| 186197 | 1      | 1.0 | -0.2989 |         |         |         |         |         |
| 186198 | 1      | 1.0 | -0.4302 |         |         |         |         |         |
| 186199 | 1      | 1.0 | -0.2025 |         |         |         |         |         |
| 186761 | 1      | 1.0 | -0.3263 |         |         |         |         |         |
| 187938 | 4      | 1.0 | 0.2917  | 1.4246  | 0.6176  | -0.4259 | -1.6163 |         |
| 192975 | 4      | 1.0 | 0.0232  | 0.9506  | 0.6144  | -0.5309 | -1.0342 |         |
| 183388 | 4      | 1.0 | 0.2253  | 1.1974  | 0.7763  | -0.5264 | -1.4473 |         |
| LisTot | 5      | 1.0 | -0.8464 | 1.2908  | 0.4524  | 0.1231  | -0.5271 | -1.3392 |
| SpeFlu | 5      | 1.0 | -0.6742 | 1.2929  | 0.4159  | 0.0996  | -0.4734 | -1.3350 |
| SpeVoc | 5      | 1.0 | -0.6370 | 1.3795  | 0.4401  | 0.2733  | -0.6128 | -1.4801 |
| SpePro | 5      | 1.0 | -0.6525 | 1.2477  | 0.5675  | 0.1613  | -0.5612 | -1.4153 |
| SpeGra | 5      | 1.0 | -0.5669 | 1.2583  | 0.5929  | 0.1426  | -0.4706 | -1.5232 |

**Table B-18. 2004–2008 MEPA:  
Item Parameters—Grade Span 7–8, Spring 2005**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 215154      | 1             | 1.0      | -2.9460  |           |           |           |           |           |
| 181771      | 1             | 1.0      | -2.3317  |           |           |           |           |           |
| 181785      | 1             | 1.0      | -1.3103  |           |           |           |           |           |
| 189122      | 1             | 1.0      | -2.0295  |           |           |           |           |           |
| 181954      | 1             | 1.0      | -2.2104  |           |           |           |           |           |
| 181961      | 1             | 1.0      | -0.4081  |           |           |           |           |           |
| 181978      | 1             | 1.0      | -3.1297  |           |           |           |           |           |
| 181969      | 1             | 1.0      | -3.5600  |           |           |           |           |           |
| 181979      | 1             | 1.0      | -2.6755  |           |           |           |           |           |
| 216189      | 1             | 1.0      | -1.2773  |           |           |           |           |           |
| 227555      | 2             | 1.0      | -0.6614  | -0.4340   | 0.4340    |           |           |           |
| 182079      | 2             | 1.0      | -1.5925  | 0.0985    | -0.0985   |           |           |           |
| 217112      | 2             | 1.0      | -0.0878  | -0.0437   | 0.0437    |           |           |           |
| 187728      | 1             | 1.0      | -0.1254  |           |           |           |           |           |
| 183061      | 1             | 1.0      | -0.5873  |           |           |           |           |           |
| 183060      | 1             | 1.0      | -0.6011  |           |           |           |           |           |
| 187727      | 1             | 1.0      | -0.4117  |           |           |           |           |           |
| 187726      | 1             | 1.0      | -0.4343  |           |           |           |           |           |
| 192932      | 1             | 1.0      | 0.1290   |           |           |           |           |           |
| 190326      | 1             | 1.0      | -0.3191  |           |           |           |           |           |
| 190594      | 1             | 1.0      | -0.3392  |           |           |           |           |           |
| 190596      | 1             | 1.0      | -0.6596  |           |           |           |           |           |
| 190598      | 1             | 1.0      | -0.2169  |           |           |           |           |           |
| 187730      | 2             | 1.0      | -0.2244  | 0.5924    | -0.5924   |           |           |           |
| 190603      | 2             | 1.0      | -0.6712  | 0.7380    | -0.7380   |           |           |           |
| 190605      | 2             | 1.0      | -0.3640  | 0.6526    | -0.6526   |           |           |           |
| 183084      | 1             | 1.0      | -0.4139  |           |           |           |           |           |
| 183086      | 1             | 1.0      | -0.1985  |           |           |           |           |           |
| 215147      | 1             | 1.0      | -0.2972  |           |           |           |           |           |
| 183090      | 1             | 1.0      | -0.2654  |           |           |           |           |           |
| 183088      | 1             | 1.0      | -0.7663  |           |           |           |           |           |
| 183279      | 1             | 1.0      | -0.0540  |           |           |           |           |           |
| 183280      | 1             | 1.0      | -0.7005  |           |           |           |           |           |
| 183281      | 1             | 1.0      | 0.2133   |           |           |           |           |           |
| 183283      | 1             | 1.0      | 0.1346   |           |           |           |           |           |
| 183282      | 1             | 1.0      | -0.7990  |           |           |           |           |           |
| 227572      | 2             | 1.0      | 0.3515   | 0.4110    | -0.4110   |           |           |           |
| 183287      | 4             | 1.0      | 0.6392   | 0.5781    | 0.2324    | -0.4546   | -0.356    |           |
| 215155      | 1             | 1.0      | -1.7637  |           |           |           |           |           |
| 215156      | 1             | 1.0      | -2.0394  |           |           |           |           |           |
| 215157      | 1             | 1.0      | -2.0315  |           |           |           |           |           |
| 215158      | 1             | 1.0      | -1.7133  |           |           |           |           |           |
| 215159      | 1             | 1.0      | -1.8955  |           |           |           |           |           |
| 215160      | 1             | 1.0      | -1.4370  |           |           |           |           |           |
| 215161      | 2             | 1.0      | -1.5513  | 0.1362    | -0.1362   |           |           |           |
| 215162      | 2             | 1.0      | -1.4016  | 0.1958    | -0.1958   |           |           |           |
| 215163      | 2             | 1.0      | -1.5129  | 0.1503    | -0.1503   |           |           |           |
| 215164      | 2             | 1.0      | -0.1339  | -0.1061   | 0.1061    |           |           |           |
| 183331      | 1             | 1.0      | -0.3286  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|---------|---------|---------|---------|---------|
| 183336 | 1      | 1.0 | -1.2322 |         |         |         |         |         |
| 183337 | 1      | 1.0 | -0.7185 |         |         |         |         |         |
| 183339 | 1      | 1.0 | -0.4901 |         |         |         |         |         |
| 186143 | 2      | 1.0 | -1.0469 | -0.2169 | 0.2169  |         |         |         |
| 186155 | 2      | 1.0 | -0.7774 | -0.0590 | 0.0590  |         |         |         |
| 227609 | 2      | 1.0 | -0.7879 | 0.3724  | -0.3724 |         |         |         |
| 186182 | 4      | 1.0 | 0.0062  | 1.6046  | 0.8012  | -0.8369 | -1.5689 |         |
| 186195 | 1      | 1.0 | -1.1765 |         |         |         |         |         |
| 183380 | 1      | 1.0 | -0.0263 |         |         |         |         |         |
| 183381 | 1      | 1.0 | -0.2253 |         |         |         |         |         |
| 183382 | 1      | 1.0 | -0.2565 |         |         |         |         |         |
| 183387 | 4      | 1.0 | 0.1907  | 0.9110  | 0.7214  | -0.5959 | -1.0365 |         |
| 183401 | 4      | 1.0 | 0.3057  | 1.1722  | 0.6190  | -0.6070 | -1.1843 |         |
| 215165 | 4      | 1.0 | 0.2200  | 1.2333  | 0.7428  | -0.5595 | -1.4167 |         |
| LisTot | 5      | 1.0 | -0.9803 | 1.3315  | 0.5474  | 0.0142  | -0.5649 | -1.3282 |
| SpeFlu | 5      | 1.0 | -0.7680 | 1.3925  | 0.4378  | 0.0637  | -0.5250 | -1.3690 |
| SpeVoc | 5      | 1.0 | -0.7405 | 1.4791  | 0.4728  | 0.1956  | -0.6272 | -1.5203 |
| SpePro | 5      | 1.0 | -0.7549 | 1.382   | 0.5817  | 0.0966  | -0.6108 | -1.4495 |
| SpeGra | 5      | 1.0 | -0.6731 | 1.3524  | 0.6212  | 0.0509  | -0.5017 | -1.5229 |

**Table B-19. 2004–2008 MEPA:  
Item Parameters—Grade Span 7-8, Fall 2005**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 215154      | 1             | 1.0      | -2.9460  |           |           |           |           |           |
| 181771      | 1             | 1.0      | -2.3317  |           |           |           |           |           |
| 181785      | 1             | 1.0      | -1.3103  |           |           |           |           |           |
| 189122      | 1             | 1.0      | -2.0295  |           |           |           |           |           |
| 181954      | 1             | 1.0      | -2.2104  |           |           |           |           |           |
| 181961      | 1             | 1.0      | -0.4081  |           |           |           |           |           |
| 181978      | 1             | 1.0      | -3.1297  |           |           |           |           |           |
| 181969      | 1             | 1.0      | -3.5600  |           |           |           |           |           |
| 181979      | 1             | 1.0      | -2.6755  |           |           |           |           |           |
| 216189      | 1             | 1.0      | -1.2773  |           |           |           |           |           |
| 227555      | 2             | 1.0      | -0.6614  | -0.4340   | 0.4340    |           |           |           |
| 182079      | 2             | 1.0      | -1.5925  | 0.0985    | -0.0985   |           |           |           |
| 217112      | 2             | 1.0      | -0.0878  | -0.0437   | 0.0437    |           |           |           |
| 187728      | 1             | 1.0      | -0.1254  |           |           |           |           |           |
| 183061      | 1             | 1.0      | -0.5873  |           |           |           |           |           |
| 183060      | 1             | 1.0      | -0.6011  |           |           |           |           |           |
| 187727      | 1             | 1.0      | -0.4117  |           |           |           |           |           |
| 187726      | 1             | 1.0      | -0.4343  |           |           |           |           |           |
| 192932      | 1             | 1.0      | 0.1290   |           |           |           |           |           |
| 190326      | 1             | 1.0      | -0.3191  |           |           |           |           |           |
| 190594      | 1             | 1.0      | -0.3392  |           |           |           |           |           |
| 190596      | 1             | 1.0      | -0.6596  |           |           |           |           |           |
| 190598      | 1             | 1.0      | -0.2169  |           |           |           |           |           |
| 187730      | 2             | 1.0      | -0.2244  | 0.5924    | -0.5924   |           |           |           |
| 190603      | 2             | 1.0      | -0.6712  | 0.7380    | -0.7380   |           |           |           |
| 190605      | 2             | 1.0      | -0.3640  | 0.6526    | -0.6526   |           |           |           |
| 183084      | 1             | 1.0      | -0.4139  |           |           |           |           |           |
| 183086      | 1             | 1.0      | -0.1985  |           |           |           |           |           |
| 215147      | 1             | 1.0      | -0.2972  |           |           |           |           |           |
| 183090      | 1             | 1.0      | -0.2654  |           |           |           |           |           |
| 183088      | 1             | 1.0      | -0.7663  |           |           |           |           |           |
| 183279      | 1             | 1.0      | -0.0540  |           |           |           |           |           |
| 183280      | 1             | 1.0      | -0.7005  |           |           |           |           |           |
| 183281      | 1             | 1.0      | 0.2133   |           |           |           |           |           |
| 183283      | 1             | 1.0      | 0.1346   |           |           |           |           |           |
| 183282      | 1             | 1.0      | -0.7990  |           |           |           |           |           |
| 227572      | 2             | 1.0      | 0.3515   | 0.4110    | -0.4110   |           |           |           |
| 183287      | 4             | 1.0      | 0.6392   | 0.5781    | 0.2324    | -0.4546   | -0.3560   |           |
| 215155      | 1             | 1.0      | -1.7637  |           |           |           |           |           |
| 215156      | 1             | 1.0      | -2.0394  |           |           |           |           |           |
| 215157      | 1             | 1.0      | -2.0315  |           |           |           |           |           |
| 215158      | 1             | 1.0      | -1.7133  |           |           |           |           |           |
| 215159      | 1             | 1.0      | -1.8955  |           |           |           |           |           |
| 215160      | 1             | 1.0      | -1.4370  |           |           |           |           |           |
| 215161      | 2             | 1.0      | -1.5513  | 0.1362    | -0.1362   |           |           |           |
| 215162      | 2             | 1.0      | -1.4016  | 0.1958    | -0.1958   |           |           |           |
| 215163      | 2             | 1.0      | -1.5129  | 0.1503    | -0.1503   |           |           |           |
| 215164      | 2             | 1.0      | -0.1339  | -0.1061   | 0.1061    |           |           |           |
| 183331      | 1             | 1.0      | -0.3286  |           |           |           |           |           |

(cont'd)

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|---------|---------|---------|---------|---------|
| 183336 | 1      | 1.0 | -1.2322 |         |         |         |         |         |
| 183337 | 1      | 1.0 | -0.7185 |         |         |         |         |         |
| 183339 | 1      | 1.0 | -0.4901 |         |         |         |         |         |
| 186143 | 2      | 1.0 | -1.0469 | -0.2169 | 0.2169  |         |         |         |
| 186155 | 2      | 1.0 | -0.7774 | -0.0590 | 0.0590  |         |         |         |
| 227609 | 2      | 1.0 | -0.7879 | 0.3724  | -0.3724 |         |         |         |
| 186182 | 4      | 1.0 | 0.0062  | 1.6046  | 0.8012  | -0.8369 | -1.5689 |         |
| 186195 | 1      | 1.0 | -1.1765 |         |         |         |         |         |
| 183380 | 1      | 1.0 | -0.0263 |         |         |         |         |         |
| 183381 | 1      | 1.0 | -0.2253 |         |         |         |         |         |
| 183382 | 1      | 1.0 | -0.2565 |         |         |         |         |         |
| 183387 | 4      | 1.0 | 0.1907  | 0.9110  | 0.7214  | -0.5959 | -1.0365 |         |
| 183401 | 4      | 1.0 | 0.3057  | 1.1722  | 0.6190  | -0.6070 | -1.1843 |         |
| 215165 | 4      | 1.0 | 0.2200  | 1.2333  | 0.7428  | -0.5595 | -1.4167 |         |
| LisTot | 5      | 1.0 | -0.9803 | 1.3315  | 0.5474  | 0.0142  | -0.5649 | -1.3282 |
| SpeFlu | 5      | 1.0 | -0.7680 | 1.3925  | 0.4378  | 0.0637  | -0.5250 | -1.3690 |
| SpeVoc | 5      | 1.0 | -0.7405 | 1.4791  | 0.4728  | 0.1956  | -0.6272 | -1.5203 |
| SpePro | 5      | 1.0 | -0.7549 | 1.3820  | 0.5817  | 0.0966  | -0.6108 | -1.4495 |
| SpeGra | 5      | 1.0 | -0.6731 | 1.3524  | 0.6212  | 0.0509  | -0.5017 | -1.5229 |



**Table B-20. 2004–2008 MEPA:  
Item Parameters—Grade Span 7–8, Spring 2006**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 181745 | 1      | 1.0 | -2.4677 |         |         |         |         |    |
| 181763 | 1      | 1.0 | -2.3661 |         |         |         |         |    |
| 181979 | 1      | 1.0 | -2.6755 |         |         |         |         |    |
| 181757 | 1      | 1.0 | -1.8877 |         |         |         |         |    |
| 181768 | 1      | 1.0 | -1.8744 |         |         |         |         |    |
| 181954 | 1      | 1.0 | -2.2104 |         |         |         |         |    |
| 181966 | 1      | 1.0 | -2.2067 |         |         |         |         |    |
| 181965 | 1      | 1.0 | -1.3725 |         |         |         |         |    |
| 189269 | 1      | 1.0 | -1.2364 |         |         |         |         |    |
| 181962 | 1      | 1.0 | -0.7705 |         |         |         |         |    |
| 181797 | 2      | 1.0 | 0.4936  | 0.0455  | -0.0455 |         |         |    |
| 189418 | 2      | 1.0 | -1.0474 | 0.7525  | -0.7525 |         |         |    |
| 189419 | 2      | 1.0 | -0.9862 | 0.4580  | -0.4580 |         |         |    |
| 183118 | 1      | 1.0 | -1.5295 |         |         |         |         |    |
| 187799 | 1      | 1.0 | -1.2635 |         |         |         |         |    |
| 187801 | 1      | 1.0 | -0.5191 |         |         |         |         |    |
| 187800 | 1      | 1.0 | -0.7120 |         |         |         |         |    |
| 183119 | 1      | 1.0 | -0.6306 |         |         |         |         |    |
| 183126 | 1      | 1.0 | -0.0089 |         |         |         |         |    |
| 183129 | 1      | 1.0 | -0.2199 |         |         |         |         |    |
| 183127 | 1      | 1.0 | -0.0401 |         |         |         |         |    |
| 183128 | 1      | 1.0 | -1.1906 |         |         |         |         |    |
| 215146 | 1      | 1.0 | -0.9313 |         |         |         |         |    |
| 183121 | 2      | 1.0 | -0.3063 | 0.2986  | -0.2986 |         |         |    |
| 183133 | 2      | 1.0 | -0.3172 | 0.5856  | -0.5856 |         |         |    |
| 183134 | 2      | 1.0 | 0.1585  | 0.2153  | -0.2153 |         |         |    |
| 190631 | 1      | 1.0 | 0.0253  |         |         |         |         |    |
| 190622 | 1      | 1.0 | 0.0130  |         |         |         |         |    |
| 190624 | 1      | 1.0 | 0.0461  |         |         |         |         |    |
| 190626 | 1      | 1.0 | -0.2329 |         |         |         |         |    |
| 190629 | 1      | 1.0 | 0.0139  |         |         |         |         |    |
| 198729 | 1      | 1.0 | -0.4153 |         |         |         |         |    |
| 183210 | 1      | 1.0 | -0.3049 |         |         |         |         |    |
| 183209 | 1      | 1.0 | 0.2486  |         |         |         |         |    |
| 183212 | 1      | 1.0 | -0.2862 |         |         |         |         |    |
| 183216 | 1      | 1.0 | -0.4029 |         |         |         |         |    |
| 190633 | 2      | 1.0 | 0.0407  | 1.0179  | -1.0179 |         |         |    |
| 183218 | 4      | 1.0 | 0.8520  | 1.1526  | 0.5803  | -0.4238 | -1.3092 |    |
| 246528 | 1      | 1.0 | -2.2106 |         |         |         |         |    |
| 246529 | 1      | 1.0 | -1.9704 |         |         |         |         |    |
| 246530 | 1      | 1.0 | -1.4547 |         |         |         |         |    |
| 246531 | 1      | 1.0 | -1.6554 |         |         |         |         |    |
| 246533 | 1      | 1.0 | -2.0034 |         |         |         |         |    |
| 246534 | 1      | 1.0 | -0.8907 |         |         |         |         |    |
| 246535 | 2      | 1.0 | -1.5264 | -0.0897 | 0.0897  |         |         |    |
| 246536 | 2      | 1.0 | -1.6577 | -0.0189 | 0.0189  |         |         |    |
| 246537 | 2      | 1.0 | -1.2759 | 0.2183  | -0.2183 |         |         |    |
| 246538 | 2      | 1.0 | -0.5191 | 0.1449  | -0.1449 |         |         |    |
| 183332 | 1      | 1.0 | -0.8617 |         |         |         |         |    |

(cont'd)

| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 186140 | 1      | 1.0 | -0.6021 |        |         |         |         |         |
| 186136 | 1      | 1.0 | -0.2973 |        |         |         |         |         |
| 186167 | 1      | 1.0 | -0.7978 |        |         |         |         |         |
| 183348 | 2      | 1.0 | -1.1464 | 0.6284 | -0.6284 |         |         |         |
| 186148 | 2      | 1.0 | -0.6862 | 0.0384 | -0.0384 |         |         |         |
| 186146 | 2      | 1.0 | -0.6597 | 0.5732 | -0.5732 |         |         |         |
| 186188 | 4      | 1.0 | -0.2494 | 1.6833 | 0.7573  | -1.0304 | -1.4102 |         |
| 186203 | 1      | 1.0 | -0.6413 |        |         |         |         |         |
| 186204 | 1      | 1.0 | -0.6596 |        |         |         |         |         |
| 186205 | 1      | 1.0 | -0.3290 |        |         |         |         |         |
| 186206 | 1      | 1.0 | -0.1924 |        |         |         |         |         |
| 183392 | 4      | 1.0 | 0.2651  | 1.0418 | 0.3588  | -0.5125 | -0.8881 |         |
| 183403 | 4      | 1.0 | 0.1802  | 1.3025 | 0.4621  | -0.7659 | -0.9986 |         |
| 192978 | 4      | 1.0 | 0.0205  | 0.8766 | 0.4289  | -0.3072 | -0.9984 |         |
| LisTot | 5      | 1.0 | -0.8809 | 1.5352 | 0.6381  | -0.1250 | -0.6184 | -1.4299 |
| SpeFlu | 5      | 1.0 | -0.6396 | 1.5355 | 0.4561  | -0.0283 | -0.5117 | -1.4517 |
| SpeVoc | 5      | 1.0 | -0.6029 | 1.6133 | 0.5736  | 0.0930  | -0.6240 | -1.6559 |
| SpePro | 5      | 1.0 | -0.6177 | 1.5744 | 0.6123  | -0.0005 | -0.6300 | -1.5563 |
| SpeGra | 5      | 1.0 | -0.5425 | 1.5415 | 0.6085  | -0.0221 | -0.5222 | -1.6057 |

**Table B-21. 2004–2008 MEPA:  
Item Parameters—Grade Span 7–8, Fall 2006**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 181745 | 1      | 1.0 | -2.4677 |         |         |         |         |    |
| 181763 | 1      | 1.0 | -2.3661 |         |         |         |         |    |
| 181979 | 1      | 1.0 | -2.6755 |         |         |         |         |    |
| 181757 | 1      | 1.0 | -1.8877 |         |         |         |         |    |
| 181768 | 1      | 1.0 | -1.8744 |         |         |         |         |    |
| 181954 | 1      | 1.0 | -2.2104 |         |         |         |         |    |
| 181966 | 1      | 1.0 | -2.2067 |         |         |         |         |    |
| 181965 | 1      | 1.0 | -1.3725 |         |         |         |         |    |
| 189269 | 1      | 1.0 | -1.2364 |         |         |         |         |    |
| 181962 | 1      | 1.0 | -0.7705 |         |         |         |         |    |
| 181797 | 2      | 1.0 | 0.4936  | 0.0455  | -0.0455 |         |         |    |
| 189418 | 2      | 1.0 | -1.0474 | 0.7525  | -0.7525 |         |         |    |
| 189419 | 2      | 1.0 | -0.9862 | 0.4580  | -0.4580 |         |         |    |
| 183118 | 1      | 1.0 | -1.5295 |         |         |         |         |    |
| 187799 | 1      | 1.0 | -1.2635 |         |         |         |         |    |
| 187801 | 1      | 1.0 | -0.5191 |         |         |         |         |    |
| 187800 | 1      | 1.0 | -0.7120 |         |         |         |         |    |
| 183119 | 1      | 1.0 | -0.6306 |         |         |         |         |    |
| 183126 | 1      | 1.0 | -0.0089 |         |         |         |         |    |
| 183129 | 1      | 1.0 | -0.2199 |         |         |         |         |    |
| 183127 | 1      | 1.0 | -0.0401 |         |         |         |         |    |
| 183128 | 1      | 1.0 | -1.1906 |         |         |         |         |    |
| 215146 | 1      | 1.0 | -0.9313 |         |         |         |         |    |
| 183121 | 2      | 1.0 | -0.3063 | 0.2986  | -0.2986 |         |         |    |
| 183133 | 2      | 1.0 | -0.3172 | 0.5856  | -0.5856 |         |         |    |
| 183134 | 2      | 1.0 | 0.1585  | 0.2153  | -0.2153 |         |         |    |
| 190631 | 1      | 1.0 | 0.0253  |         |         |         |         |    |
| 190622 | 1      | 1.0 | 0.0130  |         |         |         |         |    |
| 190624 | 1      | 1.0 | 0.0461  |         |         |         |         |    |
| 190626 | 1      | 1.0 | -0.2329 |         |         |         |         |    |
| 190629 | 1      | 1.0 | 0.0139  |         |         |         |         |    |
| 198729 | 1      | 1.0 | -0.4153 |         |         |         |         |    |
| 183210 | 1      | 1.0 | -0.3049 |         |         |         |         |    |
| 183209 | 1      | 1.0 | 0.2486  |         |         |         |         |    |
| 183212 | 1      | 1.0 | -0.2862 |         |         |         |         |    |
| 183216 | 1      | 1.0 | -0.4029 |         |         |         |         |    |
| 190633 | 2      | 1.0 | 0.0407  | 1.0179  | -1.0179 |         |         |    |
| 183218 | 4      | 1.0 | 0.8520  | 1.1526  | 0.5803  | -0.4238 | -1.3092 |    |
| 246528 | 1      | 1.0 | -2.2106 |         |         |         |         |    |
| 246529 | 1      | 1.0 | -1.9704 |         |         |         |         |    |
| 246530 | 1      | 1.0 | -1.4547 |         |         |         |         |    |
| 246531 | 1      | 1.0 | -1.6554 |         |         |         |         |    |
| 246533 | 1      | 1.0 | -2.0034 |         |         |         |         |    |
| 246534 | 1      | 1.0 | -0.8907 |         |         |         |         |    |
| 246535 | 2      | 1.0 | -1.5264 | -0.0897 | 0.0897  |         |         |    |
| 246536 | 2      | 1.0 | -1.6577 | -0.0189 | 0.0189  |         |         |    |
| 246537 | 2      | 1.0 | -1.2759 | 0.2183  | -0.2183 |         |         |    |
| 246538 | 2      | 1.0 | -0.5191 | 0.1449  | -0.1449 |         |         |    |
| 183332 | 1      | 1.0 | -0.8617 |         |         |         |         |    |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 186140 | 1      | 1.0 | -0.6021 |        |         |         |         |         |
| 186136 | 1      | 1.0 | -0.2973 |        |         |         |         |         |
| 186167 | 1      | 1.0 | -0.7978 |        |         |         |         |         |
| 183348 | 2      | 1.0 | -1.1464 | 0.6284 | -0.6284 |         |         |         |
| 186148 | 2      | 1.0 | -0.6862 | 0.0384 | -0.0384 |         |         |         |
| 186146 | 2      | 1.0 | -0.6597 | 0.5732 | -0.5732 |         |         |         |
| 186188 | 4      | 1.0 | -0.2494 | 1.6833 | 0.7573  | -1.0304 | -1.4102 |         |
| 186203 | 1      | 1.0 | -0.6413 |        |         |         |         |         |
| 186204 | 1      | 1.0 | -0.6596 |        |         |         |         |         |
| 186205 | 1      | 1.0 | -0.3290 |        |         |         |         |         |
| 186206 | 1      | 1.0 | -0.1924 |        |         |         |         |         |
| 183392 | 4      | 1.0 | 0.2651  | 1.0418 | 0.3588  | -0.5125 | -0.8881 |         |
| 183403 | 4      | 1.0 | 0.1802  | 1.3025 | 0.4621  | -0.7659 | -0.9986 |         |
| 192978 | 4      | 1.0 | 0.0205  | 0.8766 | 0.4289  | -0.3072 | -0.9984 |         |
| LisTot | 5      | 1.0 | -0.8809 | 1.5352 | 0.6381  | -0.1250 | -0.6184 | -1.4299 |
| SpeFlu | 5      | 1.0 | -0.6396 | 1.5355 | 0.4561  | -0.0283 | -0.5117 | -1.4517 |
| SpeVoc | 5      | 1.0 | -0.6029 | 1.6133 | 0.5736  | 0.0930  | -0.6240 | -1.6559 |
| SpePro | 5      | 1.0 | -0.6177 | 1.5744 | 0.6123  | -0.0005 | -0.6300 | -1.5563 |
| SpeGra | 5      | 1.0 | -0.5425 | 1.5415 | 0.6085  | -0.0221 | -0.5222 | -1.6057 |

**Table B-22. 2004–2008 MEPA:  
Item Parameters—Grade Span 7–8, Spring 2007**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 181769 | 1      | 1.0 | -1.6006 |         |         |         |         |    |
| 181761 | 1      | 1.0 | -2.0336 |         |         |         |         |    |
| 181776 | 1      | 1.0 | -1.7793 |         |         |         |         |    |
| 181957 | 1      | 1.0 | -2.5186 |         |         |         |         |    |
| 181966 | 1      | 1.0 | -2.2067 |         |         |         |         |    |
| 181973 | 1      | 1.0 | -2.3049 |         |         |         |         |    |
| 181971 | 1      | 1.0 | -2.0716 |         |         |         |         |    |
| 181970 | 1      | 1.0 | -2.9045 |         |         |         |         |    |
| 189179 | 1      | 1.0 | 0.4013  |         |         |         |         |    |
| 189189 | 1      | 1.0 | -1.2896 |         |         |         |         |    |
| 181790 | 2      | 1.0 | -0.5487 | -0.6058 | 0.6058  |         |         |    |
| 182081 | 2      | 1.0 | -1.0202 | 0.4738  | -0.4738 |         |         |    |
| 189398 | 2      | 1.0 | -0.6671 | 0.6898  | -0.6898 |         |         |    |
| 187791 | 1      | 1.0 | -0.3887 |         |         |         |         |    |
| 187792 | 1      | 1.0 | -0.7739 |         |         |         |         |    |
| 187793 | 1      | 1.0 | 0.0506  |         |         |         |         |    |
| 187796 | 1      | 1.0 | -0.3568 |         |         |         |         |    |
| 187795 | 1      | 1.0 | -0.1440 |         |         |         |         |    |
| 183126 | 1      | 1.0 | -0.0089 |         |         |         |         |    |
| 183129 | 1      | 1.0 | -0.2199 |         |         |         |         |    |
| 183127 | 1      | 1.0 | -0.0401 |         |         |         |         |    |
| 183128 | 1      | 1.0 | -1.1906 |         |         |         |         |    |
| 215146 | 1      | 1.0 | -0.9361 |         |         |         |         |    |
| 187797 | 2      | 1.0 | -0.3050 | 0.4567  | -0.4567 |         |         |    |
| 183133 | 2      | 1.0 | -0.3172 | 0.5856  | -0.5856 |         |         |    |
| 183134 | 2      | 1.0 | 0.1585  | 0.2153  | -0.2153 |         |         |    |
| 183229 | 1      | 1.0 | 0.4705  |         |         |         |         |    |
| 183228 | 1      | 1.0 | -0.3890 |         |         |         |         |    |
| 183231 | 1      | 1.0 | 0.4622  |         |         |         |         |    |
| 183230 | 1      | 1.0 | -0.2669 |         |         |         |         |    |
| 183233 | 1      | 1.0 | 0.1535  |         |         |         |         |    |
| 183219 | 1      | 1.0 | -0.4311 |         |         |         |         |    |
| 183220 | 1      | 1.0 | 0.1073  |         |         |         |         |    |
| 183221 | 1      | 1.0 | -0.4654 |         |         |         |         |    |
| 261034 | 1      | 1.0 | -0.4926 |         |         |         |         |    |
| 183223 | 1      | 1.0 | -0.1248 |         |         |         |         |    |
| 183234 | 2      | 1.0 | -0.0611 | 0.8995  | -0.8995 |         |         |    |
| 183226 | 4      | 1.0 | 0.6909  | 0.8953  | 0.6334  | -0.7389 | -0.7898 |    |
| 183315 | 1      | 1.0 | -2.4382 |         |         |         |         |    |
| 183318 | 1      | 1.0 | -2.0602 |         |         |         |         |    |
| 186090 | 1      | 1.0 | -1.5840 |         |         |         |         |    |
| 186096 | 1      | 1.0 | -1.8410 |         |         |         |         |    |
| 186098 | 1      | 1.0 | -2.0336 |         |         |         |         |    |
| 186103 | 1      | 1.0 | -2.2963 |         |         |         |         |    |
| 186121 | 2      | 1.0 | -1.3777 | 0.2885  | -0.2885 |         |         |    |
| 183329 | 2      | 1.0 | -1.7095 | 0.1381  | -0.1381 |         |         |    |
| 186118 | 2      | 1.0 | -1.5282 | -0.2224 | 0.2224  |         |         |    |
| 187967 | 2      | 1.0 | -0.2865 | 0.2655  | -0.2655 |         |         |    |
| 183340 | 1      | 1.0 | -1.8576 |         |         |         |         |    |

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| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|---------|---------|---------|---------|---------|
| 186140 | 1      | 1.0 | -0.6021 |         |         |         |         |         |
| 186142 | 1      | 1.0 | 0.2590  |         |         |         |         |         |
| 186159 | 1      | 1.0 | -0.5400 |         |         |         |         |         |
| 183346 | 2      | 1.0 | -1.4455 | -0.2364 | 0.2364  |         |         |         |
| 186145 | 2      | 1.0 | -0.9812 | 0.2115  | -0.2115 |         |         |         |
| 186149 | 2      | 1.0 | -0.8000 | 0.3536  | -0.3536 |         |         |         |
| 183353 | 4      | 1.0 | 0.0063  | 0.9651  | 0.7402  | -0.5328 | -1.1726 |         |
| 186209 | 1      | 1.0 | -0.5694 |         |         |         |         |         |
| 186210 | 1      | 1.0 | -0.0165 |         |         |         |         |         |
| 186212 | 1      | 1.0 | -0.9040 |         |         |         |         |         |
| 193409 | 1      | 1.0 | -0.2973 |         |         |         |         |         |
| 183388 | 4      | 1.0 | 0.2253  | 1.1974  | 0.7763  | -0.5264 | -1.4473 |         |
| 183398 | 4      | 1.0 | 0.3832  | 1.2737  | 0.3872  | -0.3318 | -1.3292 |         |
| 187931 | 4      | 1.0 | 0.2467  | 0.9616  | 0.7766  | -0.5218 | -1.2164 |         |
| LisTot | 5      | 1.0 | -0.9169 | 1.6035  | 0.5147  | 0.0148  | -0.5986 | -1.5343 |
| SpeFlu | 5      | 1.0 | -0.7045 | 1.5923  | 0.4428  | 0.0228  | -0.5412 | -1.5167 |
| SpeVoc | 5      | 1.0 | -0.6818 | 1.6787  | 0.5087  | 0.1299  | -0.6637 | -1.6536 |
| SpePro | 5      | 1.0 | -0.6951 | 1.6576  | 0.5492  | 0.0570  | -0.6417 | -1.6221 |
| SpeGra | 5      | 1.0 | -0.6002 | 1.6251  | 0.5378  | 0.0674  | -0.5439 | -1.6863 |

**Table B-23. 2004–2008 MEPA:  
Item Parameters—Grade Span 7–8, Fall 2007**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 215154 | 1      | 1.0 | -2.9460 |         |         |         |         |    |
| 181771 | 1      | 1.0 | -2.3317 |         |         |         |         |    |
| 181785 | 1      | 1.0 | -1.3103 |         |         |         |         |    |
| 189122 | 1      | 1.0 | -2.0295 |         |         |         |         |    |
| 181954 | 1      | 1.0 | -2.2104 |         |         |         |         |    |
| 181961 | 1      | 1.0 | -0.4081 |         |         |         |         |    |
| 181978 | 1      | 1.0 | -3.1297 |         |         |         |         |    |
| 181969 | 1      | 1.0 | -3.5600 |         |         |         |         |    |
| 181979 | 1      | 1.0 | -2.6755 |         |         |         |         |    |
| 216189 | 1      | 1.0 | -1.2773 |         |         |         |         |    |
| 227555 | 2      | 1.0 | -0.6614 | -0.4340 | 0.4340  |         |         |    |
| 182079 | 2      | 1.0 | -1.5925 | 0.0985  | -0.0985 |         |         |    |
| 217112 | 2      | 1.0 | -0.0878 | -0.0437 | 0.0437  |         |         |    |
| 187728 | 1      | 1.0 | -0.1254 |         |         |         |         |    |
| 183061 | 1      | 1.0 | -0.5873 |         |         |         |         |    |
| 183060 | 1      | 1.0 | -0.6011 |         |         |         |         |    |
| 187727 | 1      | 1.0 | -0.4117 |         |         |         |         |    |
| 187726 | 1      | 1.0 | -0.4343 |         |         |         |         |    |
| 192932 | 1      | 1.0 | 0.1290  |         |         |         |         |    |
| 190326 | 1      | 1.0 | -0.3191 |         |         |         |         |    |
| 190594 | 1      | 1.0 | -0.3392 |         |         |         |         |    |
| 190596 | 1      | 1.0 | -0.6596 |         |         |         |         |    |
| 190598 | 1      | 1.0 | -0.2169 |         |         |         |         |    |
| 187730 | 2      | 1.0 | -0.2244 | 0.5924  | -0.5924 |         |         |    |
| 190603 | 2      | 1.0 | -0.6712 | 0.7380  | -0.7380 |         |         |    |
| 190605 | 2      | 1.0 | -0.3640 | 0.6526  | -0.6526 |         |         |    |
| 183084 | 1      | 1.0 | -0.4139 |         |         |         |         |    |
| 183086 | 1      | 1.0 | -0.1985 |         |         |         |         |    |
| 215147 | 1      | 1.0 | -0.2972 |         |         |         |         |    |
| 183090 | 1      | 1.0 | -0.2654 |         |         |         |         |    |
| 183088 | 1      | 1.0 | -0.7663 |         |         |         |         |    |
| 183279 | 1      | 1.0 | -0.0540 |         |         |         |         |    |
| 183280 | 1      | 1.0 | -0.7005 |         |         |         |         |    |
| 183281 | 1      | 1.0 | 0.2133  |         |         |         |         |    |
| 183283 | 1      | 1.0 | 0.1346  |         |         |         |         |    |
| 183282 | 1      | 1.0 | -0.7990 |         |         |         |         |    |
| 227572 | 2      | 1.0 | 0.3515  | 0.4110  | -0.4110 |         |         |    |
| 183287 | 4      | 1.0 | 0.6392  | 0.5781  | 0.2324  | -0.4546 | -0.3560 |    |
| 215155 | 1      | 1.0 | -1.7637 |         |         |         |         |    |
| 215156 | 1      | 1.0 | -2.0394 |         |         |         |         |    |
| 215157 | 1      | 1.0 | -2.0315 |         |         |         |         |    |
| 215158 | 1      | 1.0 | -1.7133 |         |         |         |         |    |
| 215159 | 1      | 1.0 | -1.8955 |         |         |         |         |    |
| 215160 | 1      | 1.0 | -1.4370 |         |         |         |         |    |
| 215161 | 2      | 1.0 | -1.5513 | 0.1362  | -0.1362 |         |         |    |
| 215162 | 2      | 1.0 | -1.4016 | 0.1958  | -0.1958 |         |         |    |
| 215163 | 2      | 1.0 | -1.5129 | 0.1503  | -0.1503 |         |         |    |
| 215164 | 2      | 1.0 | -0.1339 | -0.1061 | 0.1061  |         |         |    |
| 183331 | 1      | 1.0 | -0.3286 |         |         |         |         |    |

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| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|---------|---------|---------|---------|---------|
| 183336 | 1      | 1.0 | -1.2322 |         |         |         |         |         |
| 183337 | 1      | 1.0 | -0.7185 |         |         |         |         |         |
| 183339 | 1      | 1.0 | -0.4901 |         |         |         |         |         |
| 186143 | 2      | 1.0 | -1.0469 | -0.2169 | 0.2169  |         |         |         |
| 186155 | 2      | 1.0 | -0.7774 | -0.0590 | 0.0590  |         |         |         |
| 227609 | 2      | 1.0 | -0.7879 | 0.3724  | -0.3724 |         |         |         |
| 186182 | 4      | 1.0 | 0.0062  | 1.6046  | 0.8012  | -0.8369 | -1.5689 |         |
| 186195 | 1      | 1.0 | -1.1765 |         |         |         |         |         |
| 183380 | 1      | 1.0 | -0.0263 |         |         |         |         |         |
| 183381 | 1      | 1.0 | -0.2253 |         |         |         |         |         |
| 183382 | 1      | 1.0 | -0.2565 |         |         |         |         |         |
| 183387 | 4      | 1.0 | 0.1907  | 0.9110  | 0.7214  | -0.5959 | -1.0365 |         |
| 183401 | 4      | 1.0 | 0.3057  | 1.1722  | 0.6190  | -0.6070 | -1.1843 |         |
| 215165 | 4      | 1.0 | 0.2200  | 1.2333  | 0.7428  | -0.5595 | -1.4167 |         |
| LisTot | 5      | 1.0 | -0.9803 | 1.3315  | 0.5474  | 0.0142  | -0.5649 | -1.3282 |
| SpeFlu | 5      | 1.0 | -0.7680 | 1.3925  | 0.4378  | 0.0637  | -0.5250 | -1.3690 |
| SpeVoc | 5      | 1.0 | -0.7405 | 1.4791  | 0.4728  | 0.1956  | -0.6272 | -1.5203 |
| SpePro | 5      | 1.0 | -0.7549 | 1.3820  | 0.5817  | 0.0966  | -0.6108 | -1.4495 |
| SpeGra | 5      | 1.0 | -0.6731 | 1.3524  | 0.6212  | 0.0509  | -0.5017 | -1.5229 |



**Table B-24. 2004–2008 MEPA:  
Item Parameters—Grade Span 7–8, Spring 2008**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181745      | 1             | 1.0      | -2.4677  |           |           |           |           |           |
| 181763      | 1             | 1.0      | -2.3661  |           |           |           |           |           |
| 181979      | 1             | 1.0      | -2.6755  |           |           |           |           |           |
| 181757      | 1             | 1.0      | -1.8877  |           |           |           |           |           |
| 181768      | 1             | 1.0      | -1.8744  |           |           |           |           |           |
| 181954      | 1             | 1.0      | -2.2104  |           |           |           |           |           |
| 181966      | 1             | 1.0      | -2.2067  |           |           |           |           |           |
| 181965      | 1             | 1.0      | -1.3725  |           |           |           |           |           |
| 189269      | 1             | 1.0      | -1.2364  |           |           |           |           |           |
| 181962      | 1             | 1.0      | -0.7705  |           |           |           |           |           |
| 181797      | 2             | 1.0      | 0.4936   | 0.0455    | -0.0455   |           |           |           |
| 189418      | 2             | 1.0      | -1.0474  | 0.7525    | -0.7525   |           |           |           |
| 189419      | 2             | 1.0      | -0.9862  | 0.4580    | -0.4580   |           |           |           |
| 183118      | 1             | 1.0      | -1.5295  |           |           |           |           |           |
| 187799      | 1             | 1.0      | -1.2635  |           |           |           |           |           |
| 187801      | 1             | 1.0      | -0.5191  |           |           |           |           |           |
| 187800      | 1             | 1.0      | -0.7120  |           |           |           |           |           |
| 183119      | 1             | 1.0      | -0.6306  |           |           |           |           |           |
| 183126      | 1             | 1.0      | -0.0089  |           |           |           |           |           |
| 183129      | 1             | 1.0      | -0.2199  |           |           |           |           |           |
| 183127      | 1             | 1.0      | -0.0401  |           |           |           |           |           |
| 183128      | 1             | 1.0      | -1.1906  |           |           |           |           |           |
| 215146      | 1             | 1.0      | -0.9313  |           |           |           |           |           |
| 183121      | 2             | 1.0      | -0.3063  | 0.2986    | -0.2986   |           |           |           |
| 183133      | 2             | 1.0      | -0.3172  | 0.5856    | -0.5856   |           |           |           |
| 183134      | 2             | 1.0      | 0.1585   | 0.2153    | -0.2153   |           |           |           |
| 190631      | 1             | 1.0      | 0.0253   |           |           |           |           |           |
| 190622      | 1             | 1.0      | 0.0130   |           |           |           |           |           |
| 190624      | 1             | 1.0      | 0.0461   |           |           |           |           |           |
| 190626      | 1             | 1.0      | -0.2329  |           |           |           |           |           |
| 190629      | 1             | 1.0      | 0.0139   |           |           |           |           |           |
| 198729      | 1             | 1.0      | -0.4153  |           |           |           |           |           |
| 183210      | 1             | 1.0      | -0.3049  |           |           |           |           |           |
| 183209      | 1             | 1.0      | 0.2486   |           |           |           |           |           |
| 183212      | 1             | 1.0      | -0.2862  |           |           |           |           |           |
| 183216      | 1             | 1.0      | -0.4029  |           |           |           |           |           |
| 190633      | 2             | 1.0      | 0.0407   | 1.0179    | -1.0179   |           |           |           |
| 183218      | 4             | 1.0      | 0.8520   | 1.1526    | 0.5803    | -0.4238   | -1.3092   |           |
| 246528      | 1             | 1.0      | -2.2106  |           |           |           |           |           |
| 246529      | 1             | 1.0      | -1.9704  |           |           |           |           |           |
| 246530      | 1             | 1.0      | -1.4547  |           |           |           |           |           |
| 246531      | 1             | 1.0      | -1.6554  |           |           |           |           |           |
| 246533      | 1             | 1.0      | -2.0034  |           |           |           |           |           |
| 246534      | 1             | 1.0      | -0.8907  |           |           |           |           |           |
| 246535      | 2             | 1.0      | -1.5264  | -0.0897   | 0.0897    |           |           |           |
| 246536      | 2             | 1.0      | -1.6577  | -0.0189   | 0.0189    |           |           |           |
| 246537      | 2             | 1.0      | -1.2759  | 0.2183    | -0.2183   |           |           |           |
| 246538      | 2             | 1.0      | -0.5191  | 0.1449    | -0.1449   |           |           |           |
| 183332      | 1             | 1.0      | -0.8617  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 186140 | 1      | 1.0 | -0.6021 |        |         |         |         |         |
| 186136 | 1      | 1.0 | -0.2973 |        |         |         |         |         |
| 186167 | 1      | 1.0 | -0.7978 |        |         |         |         |         |
| 183348 | 2      | 1.0 | -1.1464 | 0.6284 | -0.6284 |         |         |         |
| 186148 | 2      | 1.0 | -0.6862 | 0.0384 | -0.0384 |         |         |         |
| 186146 | 2      | 1.0 | -0.6597 | 0.5732 | -0.5732 |         |         |         |
| 186188 | 4      | 1.0 | -0.2494 | 1.6833 | 0.7573  | -1.0304 | -1.4102 |         |
| 186203 | 1      | 1.0 | -0.6413 |        |         |         |         |         |
| 186204 | 1      | 1.0 | -0.6596 |        |         |         |         |         |
| 186205 | 1      | 1.0 | -0.3290 |        |         |         |         |         |
| 186206 | 1      | 1.0 | -0.1924 |        |         |         |         |         |
| 183392 | 4      | 1.0 | 0.2651  | 1.0418 | 0.3588  | -0.5125 | -0.8881 |         |
| 183403 | 4      | 1.0 | 0.1802  | 1.3025 | 0.4621  | -0.7659 | -0.9986 |         |
| 192978 | 4      | 1.0 | 0.0205  | 0.8766 | 0.4289  | -0.3072 | -0.9984 |         |
| LisTot | 5      | 1.0 | -0.8809 | 1.5352 | 0.6381  | -0.1250 | -0.6184 | -1.4299 |
| SpeFlu | 5      | 1.0 | -0.6396 | 1.5355 | 0.4561  | -0.0283 | -0.5117 | -1.4517 |
| SpeVoc | 5      | 1.0 | -0.6029 | 1.6133 | 0.5736  | 0.0930  | -0.6240 | -1.6559 |
| SpePro | 5      | 1.0 | -0.6177 | 1.5744 | 0.6123  | -0.0005 | -0.6300 | -1.5563 |
| SpeGra | 5      | 1.0 | -0.5425 | 1.5415 | 0.6085  | -0.0221 | -0.5222 | -1.6057 |

**Table B-25. 2004–2008 MEPA:  
Item Parameters—Grade Span 9–12, Fall 2004**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 189447 | 1      | 1.0 | -2.3984 |         |         |         |         |    |
| 181941 | 1      | 1.0 | -2.2767 |         |         |         |         |    |
| 181868 | 1      | 1.0 | -1.5935 |         |         |         |         |    |
| 189460 | 1      | 1.0 | -1.6871 |         |         |         |         |    |
| 189436 | 1      | 1.0 | -0.8881 |         |         |         |         |    |
| 189438 | 1      | 1.0 | -0.7258 |         |         |         |         |    |
| 189467 | 1      | 1.0 | -1.0563 |         |         |         |         |    |
| 189482 | 1      | 1.0 | -1.0279 |         |         |         |         |    |
| 189465 | 1      | 1.0 | -0.5550 |         |         |         |         |    |
| 189497 | 1      | 1.0 | -0.8625 |         |         |         |         |    |
| 181881 | 2      | 1.0 | -1.1905 | -0.0599 | 0.0599  |         |         |    |
| 189506 | 2      | 1.0 | -0.5217 | -0.7642 | 0.7642  |         |         |    |
| 208535 | 2      | 1.0 | -0.8879 | 0.4714  | -0.4714 |         |         |    |
| 184284 | 1      | 1.0 | -0.6431 |         |         |         |         |    |
| 184282 | 1      | 1.0 | -0.3932 |         |         |         |         |    |
| 184286 | 1      | 1.0 | -0.1573 |         |         |         |         |    |
| 184290 | 1      | 1.0 | -0.0353 |         |         |         |         |    |
| 184292 | 1      | 1.0 | 0.1601  |         |         |         |         |    |
| 208563 | 1      | 1.0 | 0.1073  |         |         |         |         |    |
| 184301 | 1      | 1.0 | -0.1203 |         |         |         |         |    |
| 184299 | 1      | 1.0 | 0.0366  |         |         |         |         |    |
| 184302 | 1      | 1.0 | -0.8677 |         |         |         |         |    |
| 184304 | 1      | 1.0 | -0.3454 |         |         |         |         |    |
| 184296 | 2      | 1.0 | 0.2100  | 0.1968  | -0.1968 |         |         |    |
| 184308 | 2      | 1.0 | -0.6927 | 0.5736  | -0.5736 |         |         |    |
| 184310 | 2      | 1.0 | -0.3012 | 0.6583  | -0.6583 |         |         |    |
| 184397 | 1      | 1.0 | -0.1943 |         |         |         |         |    |
| 206716 | 1      | 1.0 | -0.8757 |         |         |         |         |    |
| 184396 | 1      | 1.0 | 0.0132  |         |         |         |         |    |
| 206717 | 1      | 1.0 | 0.1607  |         |         |         |         |    |
| 206718 | 1      | 1.0 | 0.0224  |         |         |         |         |    |
| 184414 | 1      | 1.0 | -0.1846 |         |         |         |         |    |
| 184415 | 1      | 1.0 | -0.2129 |         |         |         |         |    |
| 208525 | 1      | 1.0 | -0.0122 |         |         |         |         |    |
| 192014 | 1      | 1.0 | 0.2419  |         |         |         |         |    |
| 184419 | 1      | 1.0 | 0.4460  |         |         |         |         |    |
| 184403 | 2      | 1.0 | 0.0963  | 0.3124  | -0.3124 |         |         |    |
| 194047 | 4      | 1.0 | 0.7225  | 0.6827  | 0.8723  | -0.7387 | -0.8164 |    |
| 208559 | 1      | 1.0 | -1.8959 |         |         |         |         |    |
| 208565 | 1      | 1.0 | -2.2775 |         |         |         |         |    |
| 208568 | 1      | 1.0 | -2.1125 |         |         |         |         |    |
| 208571 | 1      | 1.0 | -1.6324 |         |         |         |         |    |
| 208573 | 1      | 1.0 | -2.0151 |         |         |         |         |    |
| 208574 | 1      | 1.0 | -2.0609 |         |         |         |         |    |
| 208575 | 2      | 1.0 | -1.5174 | 0.2235  | -0.2235 |         |         |    |
| 208577 | 2      | 1.0 | -1.3846 | 0.403   | -0.4030 |         |         |    |
| 208579 | 2      | 1.0 | -1.1149 | 0.2636  | -0.2636 |         |         |    |
| 208580 | 2      | 1.0 | -0.4907 | 0.0272  | -0.0272 |         |         |    |
| 184848 | 1      | 1.0 | -0.5594 |         |         |         |         |    |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 184867 | 1      | 1.0 | -1.2837 |        |         |         |         |         |
| 208581 | 1      | 1.0 | -1.1314 |        |         |         |         |         |
| 184874 | 1      | 1.0 | -0.8591 |        |         |         |         |         |
| 186828 | 2      | 1.0 | -0.8959 | 0.4141 | -0.4141 |         |         |         |
| 186832 | 2      | 1.0 | -1.1065 | 0.5517 | -0.5517 |         |         |         |
| 186837 | 2      | 1.0 | -0.2726 | 0.1552 | -0.1552 |         |         |         |
| 184856 | 4      | 1.0 | -0.0128 | 0.9013 | 0.8755  | -0.5205 | -1.2562 |         |
| 186792 | 1      | 1.0 | -0.6464 |        |         |         |         |         |
| 186795 | 1      | 1.0 | -0.0240 |        |         |         |         |         |
| 186796 | 1      | 1.0 | 0.0553  |        |         |         |         |         |
| 186800 | 1      | 1.0 | -0.9597 |        |         |         |         |         |
| 186776 | 4      | 1.0 | 0.3016  | 0.5487 | 0.5304  | -0.2767 | -0.8023 |         |
| 186778 | 4      | 1.0 | 0.1977  | 0.9007 | 0.631   | -0.5622 | -0.9695 |         |
| 186784 | 4      | 1.0 | 0.1837  | 0.6464 | 0.7744  | -0.5303 | -0.8905 |         |
| LisTot | 5      | 1.0 | -0.7586 | 1.3969 | 0.5528  | 0.0370  | -0.6514 | -1.3353 |
| SpeFlu | 5      | 1.0 | -0.5149 | 1.3907 | 0.5618  | 0.0486  | -0.5795 | -1.4217 |
| SpeVoc | 5      | 1.0 | -0.4994 | 1.5089 | 0.5860  | 0.1634  | -0.7183 | -1.5399 |
| SpePro | 5      | 1.0 | -0.4892 | 1.4548 | 0.7659  | 0.1130  | -0.7329 | -1.6008 |
| SpeGra | 5      | 1.0 | -0.4421 | 1.4168 | 0.7163  | 0.0140  | -0.6084 | -1.5387 |

**Table B-26. 2004–2008 MEPA:  
Item Parameters—Grade Span 9–12, Spring 2005**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181878      | 1             | 1.0      | -2.2405  |           |           |           |           |           |
| 183028      | 1             | 1.0      | -1.6871  |           |           |           |           |           |
| 181901      | 1             | 1.0      | -1.7126  |           |           |           |           |           |
| 192073      | 1             | 1.0      | -1.7815  |           |           |           |           |           |
| 189469      | 1             | 1.0      | -0.3144  |           |           |           |           |           |
| 183023      | 1             | 1.0      | -0.8366  |           |           |           |           |           |
| 189461      | 1             | 1.0      | -1.1668  |           |           |           |           |           |
| 189491      | 1             | 1.0      | -1.0251  |           |           |           |           |           |
| 181949      | 1             | 1.0      | -0.8859  |           |           |           |           |           |
| 189495      | 1             | 1.0      | -0.8944  |           |           |           |           |           |
| 189508      | 2             | 1.0      | -0.5828  | -0.5708   | 0.5708    |           |           |           |
| 181866      | 2             | 1.0      | -1.1148  | -0.0408   | 0.0408    |           |           |           |
| 181913      | 2             | 1.0      | -0.7525  | -0.2049   | 0.2049    |           |           |           |
| 184367      | 1             | 1.0      | -0.0301  |           |           |           |           |           |
| 184368      | 1             | 1.0      | 0.1045   |           |           |           |           |           |
| 184365      | 1             | 1.0      | -1.4366  |           |           |           |           |           |
| 215734      | 1             | 1.0      | -0.7234  |           |           |           |           |           |
| 191874      | 1             | 1.0      | -0.3905  |           |           |           |           |           |
| 184213      | 1             | 1.0      | 0.0509   |           |           |           |           |           |
| 184216      | 1             | 1.0      | 0.0409   |           |           |           |           |           |
| 215724      | 1             | 1.0      | 0.1555   |           |           |           |           |           |
| 184211      | 1             | 1.0      | -0.5391  |           |           |           |           |           |
| 184212      | 1             | 1.0      | -0.3196  |           |           |           |           |           |
| 184375      | 2             | 1.0      | -0.3529  | 0.8038    | -0.8038   |           |           |           |
| 215151      | 2             | 1.0      | 0.1043   | 0.4554    | -0.4554   |           |           |           |
| 191819      | 2             | 1.0      | -0.0448  | 0.9547    | -0.9547   |           |           |           |
| 215167      | 1             | 1.0      | 0.0101   |           |           |           |           |           |
| 184436      | 1             | 1.0      | 0.2655   |           |           |           |           |           |
| 184434      | 1             | 1.0      | 0.5444   |           |           |           |           |           |
| 184439      | 1             | 1.0      | -0.0140  |           |           |           |           |           |
| 184440      | 1             | 1.0      | 0.1658   |           |           |           |           |           |
| 184498      | 1             | 1.0      | 0.2376   |           |           |           |           |           |
| 184503      | 1             | 1.0      | 0.5108   |           |           |           |           |           |
| 215168      | 1             | 1.0      | 0.2979   |           |           |           |           |           |
| 184501      | 1             | 1.0      | 0.2163   |           |           |           |           |           |
| 184502      | 1             | 1.0      | 0.1643   |           |           |           |           |           |
| 227610      | 2             | 1.0      | 0.2080   | 0.3439    | -0.3439   |           |           |           |
| 215169      | 4             | 1.0      | 0.1900   | 0.8263    | 0.2325    | -0.3471   | -0.7117   |           |
| 215170      | 1             | 1.0      | -1.8332  |           |           |           |           |           |
| 215171      | 1             | 1.0      | -2.1377  |           |           |           |           |           |
| 215172      | 1             | 1.0      | -1.9171  |           |           |           |           |           |
| 215173      | 1             | 1.0      | -1.0608  |           |           |           |           |           |
| 215174      | 1             | 1.0      | -1.5103  |           |           |           |           |           |
| 215175      | 1             | 1.0      | -1.7580  |           |           |           |           |           |
| 215176      | 2             | 1.0      | -1.1254  | -0.1772   | 0.1772    |           |           |           |
| 215177      | 2             | 1.0      | -1.4929  | -0.7598   | 0.7598    |           |           |           |
| 215178      | 2             | 1.0      | -1.3409  | -0.0066   | 0.0066    |           |           |           |
| 215179      | 2             | 1.0      | -0.6215  | -0.3544   | 0.3544    |           |           |           |
| 184851      | 1             | 1.0      | -0.1434  |           |           |           |           |           |

(cont'd)

| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 215180 | 1      | 1.0 | -1.2147 |        |         |         |         |         |
| 215727 | 1      | 1.0 | -1.5690 |        |         |         |         |         |
| 187941 | 1      | 1.0 | -0.9218 |        |         |         |         |         |
| 184877 | 2      | 1.0 | -0.9352 | 0.3977 | -0.3977 |         |         |         |
| 186826 | 2      | 1.0 | -1.2985 | 0.3764 | -0.3764 |         |         |         |
| 186835 | 2      | 1.0 | -0.7458 | 0.4268 | -0.4268 |         |         |         |
| 186801 | 4      | 1.0 | 0.1204  | 1.1055 | 0.5435  | -0.5053 | -1.1437 |         |
| 186765 | 1      | 1.0 | -0.4776 |        |         |         |         |         |
| 186767 | 1      | 1.0 | -0.2799 |        |         |         |         |         |
| 186771 | 1      | 1.0 | -0.2429 |        |         |         |         |         |
| 186775 | 1      | 1.0 | -0.3805 |        |         |         |         |         |
| 184870 | 4      | 1.0 | 0.2699  | 0.6380 | 0.6924  | -0.5352 | -0.7952 |         |
| 184879 | 4      | 1.0 | 0.1309  | 0.7768 | 0.5411  | -0.4759 | -0.8421 |         |
| 186754 | 4      | 1.0 | 0.1927  | 0.9032 | 0.5949  | -0.4675 | -1.0306 |         |
| LisTot | 5      | 1.0 | -0.8920 | 1.3337 | 0.6217  | -0.0262 | -0.6218 | -1.3074 |
| SpeFlu | 5      | 1.0 | -0.6654 | 1.4164 | 0.5739  | -0.0199 | -0.5737 | -1.3967 |
| SpeVoc | 5      | 1.0 | -0.6413 | 1.5757 | 0.5705  | 0.1038  | -0.6971 | -1.5528 |
| SpePro | 5      | 1.0 | -0.6102 | 1.4859 | 0.7586  | 0.0767  | -0.6844 | -1.6368 |
| SpeGra | 5      | 1.0 | -0.5576 | 1.4295 | 0.7308  | -0.0067 | -0.5702 | -1.5833 |

**Table B-27. 2004–2008 MEPA:  
Item Parameters—Grade Span 9–12, Fall 2005**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181878      | 1             | 1.0      | -2.2405  |           |           |           |           |           |
| 183028      | 1             | 1.0      | -1.6871  |           |           |           |           |           |
| 181901      | 1             | 1.0      | -1.7126  |           |           |           |           |           |
| 192073      | 1             | 1.0      | -1.7815  |           |           |           |           |           |
| 189469      | 1             | 1.0      | -0.3144  |           |           |           |           |           |
| 183023      | 1             | 1.0      | -0.8366  |           |           |           |           |           |
| 189461      | 1             | 1.0      | -1.1668  |           |           |           |           |           |
| 189491      | 1             | 1.0      | -1.0251  |           |           |           |           |           |
| 181949      | 1             | 1.0      | -0.8859  |           |           |           |           |           |
| 189495      | 1             | 1.0      | -0.8944  |           |           |           |           |           |
| 189508      | 2             | 1.0      | -0.5828  | -0.5708   | 0.5708    |           |           |           |
| 181866      | 2             | 1.0      | -1.1148  | -0.0408   | 0.0408    |           |           |           |
| 181913      | 2             | 1.0      | -0.7525  | -0.2049   | 0.2049    |           |           |           |
| 184367      | 1             | 1.0      | -0.0301  |           |           |           |           |           |
| 184368      | 1             | 1.0      | 0.1045   |           |           |           |           |           |
| 184365      | 1             | 1.0      | -1.4366  |           |           |           |           |           |
| 215734      | 1             | 1.0      | -0.7234  |           |           |           |           |           |
| 191874      | 1             | 1.0      | -0.3905  |           |           |           |           |           |
| 184213      | 1             | 1.0      | 0.0509   |           |           |           |           |           |
| 184216      | 1             | 1.0      | 0.0409   |           |           |           |           |           |
| 215724      | 1             | 1.0      | 0.1555   |           |           |           |           |           |
| 184211      | 1             | 1.0      | -0.5391  |           |           |           |           |           |
| 184212      | 1             | 1.0      | -0.3196  |           |           |           |           |           |
| 184375      | 2             | 1.0      | -0.3529  | 0.8038    | -0.8038   |           |           |           |
| 215151      | 2             | 1.0      | 0.1043   | 0.4554    | -0.4554   |           |           |           |
| 191819      | 2             | 1.0      | -0.0448  | 0.9547    | -0.9547   |           |           |           |
| 215167      | 1             | 1.0      | 0.0101   |           |           |           |           |           |
| 184436      | 1             | 1.0      | 0.2655   |           |           |           |           |           |
| 184434      | 1             | 1.0      | 0.5444   |           |           |           |           |           |
| 184439      | 1             | 1.0      | -0.0140  |           |           |           |           |           |
| 184440      | 1             | 1.0      | 0.1658   |           |           |           |           |           |
| 184498      | 1             | 1.0      | 0.2376   |           |           |           |           |           |
| 184503      | 1             | 1.0      | 0.5108   |           |           |           |           |           |
| 215168      | 1             | 1.0      | 0.2979   |           |           |           |           |           |
| 184501      | 1             | 1.0      | 0.2163   |           |           |           |           |           |
| 184502      | 1             | 1.0      | 0.1643   |           |           |           |           |           |
| 227610      | 2             | 1.0      | 0.2080   | 0.3439    | -0.3439   |           |           |           |
| 215169      | 4             | 1.0      | 0.1900   | 0.8263    | 0.2325    | -0.3471   | -0.7117   |           |
| 215170      | 1             | 1.0      | -1.8332  |           |           |           |           |           |
| 215171      | 1             | 1.0      | -2.1377  |           |           |           |           |           |
| 215172      | 1             | 1.0      | -1.9171  |           |           |           |           |           |
| 215173      | 1             | 1.0      | -1.0608  |           |           |           |           |           |
| 215174      | 1             | 1.0      | -1.5103  |           |           |           |           |           |
| 215175      | 1             | 1.0      | -1.7580  |           |           |           |           |           |
| 215176      | 2             | 1.0      | -1.1254  | -0.1772   | 0.1772    |           |           |           |
| 215177      | 2             | 1.0      | -1.4929  | -0.7598   | 0.7598    |           |           |           |
| 215178      | 2             | 1.0      | -1.3409  | -0.0066   | 0.0066    |           |           |           |
| 215179      | 2             | 1.0      | -0.6215  | -0.3544   | 0.3544    |           |           |           |
| 184851      | 1             | 1.0      | -0.1434  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 215180 | 1      | 1.0 | -1.2147 |        |         |         |         |         |
| 215727 | 1      | 1.0 | -1.5690 |        |         |         |         |         |
| 187941 | 1      | 1.0 | -0.9218 |        |         |         |         |         |
| 184877 | 2      | 1.0 | -0.9352 | 0.3977 | -0.3977 |         |         |         |
| 186826 | 2      | 1.0 | -1.2985 | 0.3764 | -0.3764 |         |         |         |
| 186835 | 2      | 1.0 | -0.7458 | 0.4268 | -0.4268 |         |         |         |
| 186801 | 4      | 1.0 | 0.1204  | 1.1055 | 0.5435  | -0.5053 | -1.1437 |         |
| 186765 | 1      | 1.0 | -0.4776 |        |         |         |         |         |
| 186767 | 1      | 1.0 | -0.2799 |        |         |         |         |         |
| 186771 | 1      | 1.0 | -0.2429 |        |         |         |         |         |
| 186775 | 1      | 1.0 | -0.3805 |        |         |         |         |         |
| 184870 | 4      | 1.0 | 0.2699  | 0.6380 | 0.6924  | -0.5352 | -0.7952 |         |
| 184879 | 4      | 1.0 | 0.1309  | 0.7768 | 0.5411  | -0.4759 | -0.8421 |         |
| 186754 | 4      | 1.0 | 0.1927  | 0.9032 | 0.5949  | -0.4675 | -1.0306 |         |
| LisTot | 5      | 1.0 | -0.8920 | 1.3337 | 0.6217  | -0.0262 | -0.6218 | -1.3074 |
| SpeFlu | 5      | 1.0 | -0.6654 | 1.4164 | 0.5739  | -0.0199 | -0.5737 | -1.3967 |
| SpeVoc | 5      | 1.0 | -0.6413 | 1.5757 | 0.5705  | 0.1038  | -0.6971 | -1.5528 |
| SpePro | 5      | 1.0 | -0.6102 | 1.4859 | 0.7586  | 0.0767  | -0.6844 | -1.6368 |
| SpeGra | 5      | 1.0 | -0.5576 | 1.4295 | 0.7308  | -0.0067 | -0.5702 | -1.5833 |



**Table B-28. 2004–2008 MEPA:  
Item Parameters—Grade Span 9–12, Spring 2006**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181886      | 1             | 1.0      | -2.3984  |           |           |           |           |           |
| 248683      | 1             | 1.0      | -2.1308  |           |           |           |           |           |
| 181897      | 1             | 1.0      | -0.3984  |           |           |           |           |           |
| 248667      | 1             | 1.0      | -1.1442  |           |           |           |           |           |
| 189437      | 1             | 1.0      | -0.9850  |           |           |           |           |           |
| 189456      | 1             | 1.0      | -1.5007  |           |           |           |           |           |
| 189483      | 1             | 1.0      | -0.8154  |           |           |           |           |           |
| 248671      | 1             | 1.0      | -0.5631  |           |           |           |           |           |
| 189490      | 1             | 1.0      | -1.0033  |           |           |           |           |           |
| 189493      | 1             | 1.0      | -0.0880  |           |           |           |           |           |
| 189507      | 2             | 1.0      | -0.4255  | 0.4038    | -0.4038   |           |           |           |
| 248689      | 2             | 1.0      | -1.3456  | -0.6573   | 0.6573    |           |           |           |
| 248691      | 2             | 1.0      | -0.4043  | 0.5690    | -0.5690   |           |           |           |
| 184378      | 1             | 1.0      | -0.5948  |           |           |           |           |           |
| 184381      | 1             | 1.0      | 0.1987   |           |           |           |           |           |
| 184383      | 1             | 1.0      | 0.0739   |           |           |           |           |           |
| 184384      | 1             | 1.0      | -0.5495  |           |           |           |           |           |
| 248698      | 1             | 1.0      | -0.2122  |           |           |           |           |           |
| 184367      | 1             | 1.0      | -0.0301  |           |           |           |           |           |
| 184368      | 1             | 1.0      | 0.1045   |           |           |           |           |           |
| 184365      | 1             | 1.0      | -1.4366  |           |           |           |           |           |
| 191874      | 1             | 1.0      | -0.3905  |           |           |           |           |           |
| 184373      | 1             | 1.0      | -0.7095  |           |           |           |           |           |
| 191820      | 2             | 1.0      | -0.0768  | 0.7001    | -0.7001   |           |           |           |
| 191875      | 2             | 1.0      | 0.4008   | 1.0343    | -1.0343   |           |           |           |
| 184375      | 2             | 1.0      | -0.3529  | 0.8038    | -0.8038   |           |           |           |
| 243360      | 1             | 1.0      | -0.3904  |           |           |           |           |           |
| 184407      | 1             | 1.0      | -0.8145  |           |           |           |           |           |
| 243364      | 1             | 1.0      | -0.3093  |           |           |           |           |           |
| 184409      | 1             | 1.0      | -0.3709  |           |           |           |           |           |
| 184411      | 1             | 1.0      | 0.1487   |           |           |           |           |           |
| 184454      | 1             | 1.0      | 0.0106   |           |           |           |           |           |
| 184456      | 1             | 1.0      | 0.0799   |           |           |           |           |           |
| 184458      | 1             | 1.0      | 0.5109   |           |           |           |           |           |
| 184455      | 1             | 1.0      | 0.0822   |           |           |           |           |           |
| 184459      | 1             | 1.0      | 0.9614   |           |           |           |           |           |
| 184412      | 2             | 1.0      | 0.4676   | 0.1165    | -0.1165   |           |           |           |
| 257681      | 4             | 1.0      | 0.7306   | 1.1432    | 0.4637    | -0.5670   | -1.0399   |           |
| 257735      | 1             | 1.0      | -2.4893  |           |           |           |           |           |
| 257736      | 1             | 1.0      | -1.8986  |           |           |           |           |           |
| 257737      | 1             | 1.0      | -1.5459  |           |           |           |           |           |
| 257738      | 1             | 1.0      | -1.8893  |           |           |           |           |           |
| 257739      | 1             | 1.0      | -1.8498  |           |           |           |           |           |
| 257740      | 1             | 1.0      | -1.4074  |           |           |           |           |           |
| 257741      | 2             | 1.0      | -1.4317  | 0.0262    | -0.0262   |           |           |           |
| 257742      | 2             | 1.0      | -1.5679  | -0.1857   | 0.1857    |           |           |           |
| 257743      | 2             | 1.0      | -1.1144  | -0.2293   | 0.2293    |           |           |           |
| 257744      | 2             | 1.0      | -0.5299  | -0.0477   | 0.0477    |           |           |           |
| 184852      | 1             | 1.0      | -1.3389  |           |           |           |           |           |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 186814 | 1      | 1.0 | -0.6830 |        |         |         |         |         |
| 186816 | 1      | 1.0 | -1.0420 |        |         |         |         |         |
| 186820 | 1      | 1.0 | -0.4249 |        |         |         |         |         |
| 186830 | 2      | 1.0 | -1.1657 | 0.4993 | -0.4993 |         |         |         |
| 186821 | 2      | 1.0 | -0.7720 | 0.4353 | -0.4353 |         |         |         |
| 186841 | 2      | 1.0 | -0.7133 | 0.1472 | -0.1472 |         |         |         |
| 186799 | 4      | 1.0 | 0.0325  | 1.0625 | 0.5922  | -0.4508 | -1.2039 |         |
| 186735 | 1      | 1.0 | -0.6413 |        |         |         |         |         |
| 186738 | 1      | 1.0 | -0.4640 |        |         |         |         |         |
| 186739 | 1      | 1.0 | -0.2090 |        |         |         |         |         |
| 186743 | 1      | 1.0 | -0.1396 |        |         |         |         |         |
| 186759 | 4      | 1.0 | 0.2535  | 1.0029 | 0.5419  | -0.7281 | -0.8167 |         |
| 248707 | 4      | 1.0 | 0.1461  | 0.6980 | 0.7505  | -0.3380 | -1.1105 |         |
| 186766 | 4      | 1.0 | 0.2845  | 1.3641 | 0.5041  | -0.6447 | -1.2235 |         |
| LisTot | 5      | 1.0 | -0.8658 | 1.4947 | 0.6329  | -0.0744 | -0.6656 | -1.3875 |
| SpeFlu | 5      | 1.0 | -0.6335 | 1.5626 | 0.5779  | -0.0159 | -0.6216 | -1.5031 |
| SpeVoc | 5      | 1.0 | -0.6177 | 1.7036 | 0.6208  | 0.0654  | -0.7481 | -1.6417 |
| SpePro | 5      | 1.0 | -0.6069 | 1.6216 | 0.7617  | 0.0426  | -0.7648 | -1.6611 |
| SpeGra | 5      | 1.0 | -0.5417 | 1.6073 | 0.7070  | -0.0176 | -0.6638 | -1.6329 |

**Table B-29. 2004–2008 MEPA:  
Item Parameters—Grade Span 9–12, Fall 2006**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181886      | 1             | 1.0      | -2.3984  |           |           |           |           |           |
| 248683      | 1             | 1.0      | -2.1308  |           |           |           |           |           |
| 181897      | 1             | 1.0      | -0.3984  |           |           |           |           |           |
| 248667      | 1             | 1.0      | -1.1442  |           |           |           |           |           |
| 189437      | 1             | 1.0      | -0.9850  |           |           |           |           |           |
| 189456      | 1             | 1.0      | -1.5007  |           |           |           |           |           |
| 189483      | 1             | 1.0      | -0.8154  |           |           |           |           |           |
| 248671      | 1             | 1.0      | -0.5631  |           |           |           |           |           |
| 189490      | 1             | 1.0      | -1.0033  |           |           |           |           |           |
| 189493      | 1             | 1.0      | -0.0880  |           |           |           |           |           |
| 189507      | 2             | 1.0      | -0.4255  | 0.4038    | -0.4038   |           |           |           |
| 248689      | 2             | 1.0      | -1.3456  | -0.6573   | 0.6573    |           |           |           |
| 248691      | 2             | 1.0      | -0.4043  | 0.5690    | -0.5690   |           |           |           |
| 184378      | 1             | 1.0      | -0.5948  |           |           |           |           |           |
| 184381      | 1             | 1.0      | 0.1987   |           |           |           |           |           |
| 184383      | 1             | 1.0      | 0.0739   |           |           |           |           |           |
| 184384      | 1             | 1.0      | -0.5495  |           |           |           |           |           |
| 248698      | 1             | 1.0      | -0.2122  |           |           |           |           |           |
| 184367      | 1             | 1.0      | -0.0301  |           |           |           |           |           |
| 184368      | 1             | 1.0      | 0.1045   |           |           |           |           |           |
| 184365      | 1             | 1.0      | -1.4366  |           |           |           |           |           |
| 191874      | 1             | 1.0      | -0.3905  |           |           |           |           |           |
| 184373      | 1             | 1.0      | -0.7095  |           |           |           |           |           |
| 191820      | 2             | 1.0      | -0.0768  | 0.7001    | -0.7001   |           |           |           |
| 191875      | 2             | 1.0      | 0.4008   | 1.0343    | -1.0343   |           |           |           |
| 184375      | 2             | 1.0      | -0.3529  | 0.8038    | -0.8038   |           |           |           |
| 243360      | 1             | 1.0      | -0.3904  |           |           |           |           |           |
| 184407      | 1             | 1.0      | -0.8145  |           |           |           |           |           |
| 243364      | 1             | 1.0      | -0.3093  |           |           |           |           |           |
| 184409      | 1             | 1.0      | -0.3709  |           |           |           |           |           |
| 184411      | 1             | 1.0      | 0.1487   |           |           |           |           |           |
| 184454      | 1             | 1.0      | 0.0106   |           |           |           |           |           |
| 184456      | 1             | 1.0      | 0.0799   |           |           |           |           |           |
| 184458      | 1             | 1.0      | 0.5109   |           |           |           |           |           |
| 184455      | 1             | 1.0      | 0.0822   |           |           |           |           |           |
| 184459      | 1             | 1.0      | 0.9614   |           |           |           |           |           |
| 184412      | 2             | 1.0      | 0.4676   | 0.1165    | -0.1165   |           |           |           |
| 257681      | 4             | 1.0      | 0.7306   | 1.1432    | 0.4637    | -0.5670   | -1.0399   |           |
| 257735      | 1             | 1.0      | -2.4893  |           |           |           |           |           |
| 257736      | 1             | 1.0      | -1.8986  |           |           |           |           |           |
| 257737      | 1             | 1.0      | -1.5459  |           |           |           |           |           |
| 257738      | 1             | 1.0      | -1.8893  |           |           |           |           |           |
| 257739      | 1             | 1.0      | -1.8498  |           |           |           |           |           |
| 257740      | 1             | 1.0      | -1.4074  |           |           |           |           |           |
| 257741      | 2             | 1.0      | -1.4317  | 0.0262    | -0.0262   |           |           |           |
| 257742      | 2             | 1.0      | -1.5679  | -0.1857   | 0.1857    |           |           |           |
| 257743      | 2             | 1.0      | -1.1144  | -0.2293   | 0.2293    |           |           |           |
| 257744      | 2             | 1.0      | -0.5299  | -0.0477   | 0.0477    |           |           |           |
| 184852      | 1             | 1.0      | -1.3389  |           |           |           |           |           |

(cont'd)

| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 186814 | 1      | 1.0 | -0.6830 |        |         |         |         |         |
| 186816 | 1      | 1.0 | -1.0420 |        |         |         |         |         |
| 186820 | 1      | 1.0 | -0.4249 |        |         |         |         |         |
| 186830 | 2      | 1.0 | -1.1657 | 0.4993 | -0.4993 |         |         |         |
| 186821 | 2      | 1.0 | -0.7720 | 0.4353 | -0.4353 |         |         |         |
| 186841 | 2      | 1.0 | -0.7133 | 0.1472 | -0.1472 |         |         |         |
| 186799 | 4      | 1.0 | 0.0325  | 1.0625 | 0.5922  | -0.4508 | -1.2039 |         |
| 186735 | 1      | 1.0 | -0.6413 |        |         |         |         |         |
| 186738 | 1      | 1.0 | -0.4640 |        |         |         |         |         |
| 186739 | 1      | 1.0 | -0.2090 |        |         |         |         |         |
| 186743 | 1      | 1.0 | -0.1396 |        |         |         |         |         |
| 186759 | 4      | 1.0 | 0.2535  | 1.0029 | 0.5419  | -0.7281 | -0.8167 |         |
| 248707 | 4      | 1.0 | 0.1461  | 0.6980 | 0.7505  | -0.3380 | -1.1105 |         |
| 186766 | 4      | 1.0 | 0.2845  | 1.3641 | 0.5041  | -0.6447 | -1.2235 |         |
| LisTot | 5      | 1.0 | -0.8658 | 1.4947 | 0.6329  | -0.0744 | -0.6656 | -1.3875 |
| SpeFlu | 5      | 1.0 | -0.6335 | 1.5626 | 0.5779  | -0.0159 | -0.6216 | -1.5031 |
| SpeVoc | 5      | 1.0 | -0.6177 | 1.7036 | 0.6208  | 0.0654  | -0.7481 | -1.6417 |
| SpePro | 5      | 1.0 | -0.6069 | 1.6216 | 0.7617  | 0.0426  | -0.7648 | -1.6611 |
| SpeGra | 5      | 1.0 | -0.5417 | 1.6073 | 0.7070  | -0.0176 | -0.6638 | -1.6329 |

**Table B-30. 2004–2008 MEPA:  
Item Parameters—Grade Span 9–12, Spring 2007**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 181869 | 1      | 1.0 | -0.3883 |         |         |         |         |    |
| 181919 | 1      | 1.0 | -1.0186 |         |         |         |         |    |
| 181922 | 1      | 1.0 | -2.6329 |         |         |         |         |    |
| 192020 | 1      | 1.0 | -0.9746 |         |         |         |         |    |
| 261721 | 1      | 1.0 | -1.9930 |         |         |         |         |    |
| 189464 | 1      | 1.0 | -1.0374 |         |         |         |         |    |
| 189493 | 1      | 1.0 | -0.0880 |         |         |         |         |    |
| 189468 | 1      | 1.0 | -0.5844 |         |         |         |         |    |
| 189479 | 1      | 1.0 | -0.0473 |         |         |         |         |    |
| 189498 | 1      | 1.0 | -1.3215 |         |         |         |         |    |
| 192084 | 2      | 1.0 | -0.6503 | -2.1108 | 2.1108  |         |         |    |
| 181898 | 2      | 1.0 | -1.3000 | -0.8234 | 0.8234  |         |         |    |
| 181951 | 2      | 1.0 | -0.6535 | 0.6063  | -0.6063 |         |         |    |
| 184220 | 1      | 1.0 | -0.1434 |         |         |         |         |    |
| 184217 | 1      | 1.0 | -1.1834 |         |         |         |         |    |
| 184218 | 1      | 1.0 | -0.7124 |         |         |         |         |    |
| 184221 | 1      | 1.0 | -0.0916 |         |         |         |         |    |
| 184225 | 1      | 1.0 | -0.5687 |         |         |         |         |    |
| 184360 | 1      | 1.0 | -0.5687 |         |         |         |         |    |
| 184358 | 1      | 1.0 | -1.1408 |         |         |         |         |    |
| 184359 | 1      | 1.0 | 0.2246  |         |         |         |         |    |
| 184355 | 1      | 1.0 | -0.0363 |         |         |         |         |    |
| 184361 | 1      | 1.0 | -0.2474 |         |         |         |         |    |
| 184227 | 2      | 1.0 | -0.7583 | 0.3600  | -0.3600 |         |         |    |
| 184363 | 2      | 1.0 | -0.4353 | 0.7344  | -0.7344 |         |         |    |
| 184362 | 2      | 1.0 | -0.0992 | 0.4134  | -0.4134 |         |         |    |
| 184498 | 1      | 1.0 | 0.2376  |         |         |         |         |    |
| 184499 | 1      | 1.0 | 0.1351  |         |         |         |         |    |
| 184500 | 1      | 1.0 | 0.3852  |         |         |         |         |    |
| 184501 | 1      | 1.0 | 0.2163  |         |         |         |         |    |
| 184502 | 1      | 1.0 | 0.1643  |         |         |         |         |    |
| 192101 | 1      | 1.0 | -0.2985 |         |         |         |         |    |
| 184428 | 1      | 1.0 | -0.2090 |         |         |         |         |    |
| 184423 | 1      | 1.0 | -0.2938 |         |         |         |         |    |
| 184429 | 1      | 1.0 | -0.1266 |         |         |         |         |    |
| 184427 | 1      | 1.0 | 0.5510  |         |         |         |         |    |
| 184504 | 2      | 1.0 | 0.2171  | 0.4603  | -0.4603 |         |         |    |
| 184430 | 4      | 1.0 | 0.7368  | 0.7393  | 0.6356  | -0.4978 | -0.8771 |    |
| 186417 | 1      | 1.0 | -2.2007 |         |         |         |         |    |
| 186419 | 1      | 1.0 | -2.4685 |         |         |         |         |    |
| 186463 | 1      | 1.0 | -1.6527 |         |         |         |         |    |
| 186465 | 1      | 1.0 | -2.3613 |         |         |         |         |    |
| 186471 | 1      | 1.0 | -1.7682 |         |         |         |         |    |
| 186472 | 1      | 1.0 | -2.1226 |         |         |         |         |    |
| 184846 | 2      | 1.0 | -1.1393 | 0.3108  | -0.3108 |         |         |    |
| 186487 | 2      | 1.0 | -1.2060 | -0.3516 | 0.3516  |         |         |    |
| 186504 | 2      | 1.0 | -1.1946 | -0.3609 | 0.3609  |         |         |    |
| 186512 | 2      | 1.0 | -0.4138 | -0.3035 | 0.3035  |         |         |    |
| 186806 | 1      | 1.0 | -1.7922 |         |         |         |         |    |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 186815 | 1      | 1.0 | -0.8758 |        |         |         |         |         |
| 186819 | 1      | 1.0 | 0.4183  |        |         |         |         |         |
| 186823 | 1      | 1.0 | -0.9646 |        |         |         |         |         |
| 267520 | 2      | 1.0 | -1.2049 | 0.3550 | -0.3550 |         |         |         |
| 267521 | 2      | 1.0 | -0.7946 | 0.2821 | -0.2821 |         |         |         |
| 267522 | 2      | 1.0 | -0.5913 | 0.5034 | -0.5034 |         |         |         |
| 186804 | 4      | 1.0 | 0.2611  | 1.1315 | 0.6541  | -0.6043 | -1.1813 |         |
| 184843 | 1      | 1.0 | -0.7764 |        |         |         |         |         |
| 184834 | 1      | 1.0 | 0.0919  |        |         |         |         |         |
| 184842 | 1      | 1.0 | -0.4190 |        |         |         |         |         |
| 184844 | 1      | 1.0 | -0.2628 |        |         |         |         |         |
| 184869 | 4      | 1.0 | 0.2425  | 0.9159 | 0.3943  | -0.5895 | -0.7207 |         |
| 184872 | 4      | 1.0 | 0.3675  | 0.8892 | 0.6127  | -0.4066 | -1.0953 |         |
| 186751 | 4      | 1.0 | 0.1560  | 0.8713 | 0.6802  | -0.4495 | -1.1020 |         |
| LisTot | 5      | 1.0 | -0.8910 | 1.6864 | 0.5354  | -0.0735 | -0.6867 | -1.4616 |
| SpeFlu | 5      | 1.0 | -0.6402 | 1.6512 | 0.5245  | -0.0331 | -0.5948 | -1.5478 |
| SpeVoc | 5      | 1.0 | -0.6158 | 1.7674 | 0.5741  | 0.0486  | -0.7396 | -1.6506 |
| SpePro | 5      | 1.0 | -0.6051 | 1.7428 | 0.6877  | 0.0155  | -0.7463 | -1.6998 |
| SpeGra | 5      | 1.0 | -0.5464 | 1.6913 | 0.6754  | -0.0789 | -0.6327 | -1.6550 |

**Table B-31. 2004–2008 MEPA:  
Item Parameters—Grade Span 9–12, Fall 2007**

| Item   | Points | A   | B       | D1      | D2      | D3      | D4      | D5 |
|--------|--------|-----|---------|---------|---------|---------|---------|----|
| 181878 | 1      | 1.0 | -2.2405 |         |         |         |         |    |
| 183028 | 1      | 1.0 | -1.6871 |         |         |         |         |    |
| 181901 | 1      | 1.0 | -1.7126 |         |         |         |         |    |
| 192073 | 1      | 1.0 | -1.7815 |         |         |         |         |    |
| 189469 | 1      | 1.0 | -0.3144 |         |         |         |         |    |
| 183023 | 1      | 1.0 | -0.8366 |         |         |         |         |    |
| 189461 | 1      | 1.0 | -1.1668 |         |         |         |         |    |
| 189491 | 1      | 1.0 | -1.0251 |         |         |         |         |    |
| 181949 | 1      | 1.0 | -0.8859 |         |         |         |         |    |
| 189495 | 1      | 1.0 | -0.8944 |         |         |         |         |    |
| 189508 | 2      | 1.0 | -0.5828 | -0.5708 | 0.5708  |         |         |    |
| 181866 | 2      | 1.0 | -1.1148 | -0.0408 | 0.0408  |         |         |    |
| 181913 | 2      | 1.0 | -0.7525 | -0.2049 | 0.2049  |         |         |    |
| 184367 | 1      | 1.0 | -0.0301 |         |         |         |         |    |
| 184368 | 1      | 1.0 | 0.1045  |         |         |         |         |    |
| 184365 | 1      | 1.0 | -1.4366 |         |         |         |         |    |
| 215734 | 1      | 1.0 | -0.7234 |         |         |         |         |    |
| 191874 | 1      | 1.0 | -0.3905 |         |         |         |         |    |
| 184213 | 1      | 1.0 | 0.0509  |         |         |         |         |    |
| 184216 | 1      | 1.0 | 0.0409  |         |         |         |         |    |
| 215724 | 1      | 1.0 | 0.1555  |         |         |         |         |    |
| 184211 | 1      | 1.0 | -0.5391 |         |         |         |         |    |
| 184212 | 1      | 1.0 | -0.3196 |         |         |         |         |    |
| 184375 | 2      | 1.0 | -0.3529 | 0.8038  | -0.8038 |         |         |    |
| 215151 | 2      | 1.0 | 0.1043  | 0.4554  | -0.4554 |         |         |    |
| 191819 | 2      | 1.0 | -0.0448 | 0.9547  | -0.9547 |         |         |    |
| 215167 | 1      | 1.0 | 0.0101  |         |         |         |         |    |
| 184436 | 1      | 1.0 | 0.2655  |         |         |         |         |    |
| 184434 | 1      | 1.0 | 0.5444  |         |         |         |         |    |
| 184439 | 1      | 1.0 | -0.0140 |         |         |         |         |    |
| 184440 | 1      | 1.0 | 0.1658  |         |         |         |         |    |
| 184498 | 1      | 1.0 | 0.2376  |         |         |         |         |    |
| 184503 | 1      | 1.0 | 0.5108  |         |         |         |         |    |
| 215168 | 1      | 1.0 | 0.2979  |         |         |         |         |    |
| 184501 | 1      | 1.0 | 0.2163  |         |         |         |         |    |
| 184502 | 1      | 1.0 | 0.1643  |         |         |         |         |    |
| 227610 | 2      | 1.0 | 0.2080  | 0.3439  | -0.3439 |         |         |    |
| 215169 | 4      | 1.0 | 0.1900  | 0.8263  | 0.2325  | -0.3471 | -0.7117 |    |
| 215170 | 1      | 1.0 | -1.8332 |         |         |         |         |    |
| 215171 | 1      | 1.0 | -2.1377 |         |         |         |         |    |
| 215172 | 1      | 1.0 | -1.9171 |         |         |         |         |    |
| 215173 | 1      | 1.0 | -1.0608 |         |         |         |         |    |
| 215174 | 1      | 1.0 | -1.5103 |         |         |         |         |    |
| 215175 | 1      | 1.0 | -1.7580 |         |         |         |         |    |
| 215176 | 2      | 1.0 | -1.1254 | -0.1772 | 0.1772  |         |         |    |
| 215177 | 2      | 1.0 | -1.4929 | -0.7598 | 0.7598  |         |         |    |
| 215178 | 2      | 1.0 | -1.3409 | -0.0066 | 0.0066  |         |         |    |
| 215179 | 2      | 1.0 | -0.6215 | -0.3544 | 0.3544  |         |         |    |
| 184851 | 1      | 1.0 | -0.1434 |         |         |         |         |    |

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| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 215180 | 1      | 1.0 | -1.2147 |        |         |         |         |         |
| 215727 | 1      | 1.0 | -1.5690 |        |         |         |         |         |
| 187941 | 1      | 1.0 | -0.9218 |        |         |         |         |         |
| 184877 | 2      | 1.0 | -0.9352 | 0.3977 | -0.3977 |         |         |         |
| 186826 | 2      | 1.0 | -1.2985 | 0.3764 | -0.3764 |         |         |         |
| 186835 | 2      | 1.0 | -0.7458 | 0.4268 | -0.4268 |         |         |         |
| 186801 | 4      | 1.0 | 0.1204  | 1.1055 | 0.5435  | -0.5053 | -1.1437 |         |
| 186765 | 1      | 1.0 | -0.4776 |        |         |         |         |         |
| 186767 | 1      | 1.0 | -0.2799 |        |         |         |         |         |
| 186771 | 1      | 1.0 | -0.2429 |        |         |         |         |         |
| 186775 | 1      | 1.0 | -0.3805 |        |         |         |         |         |
| 184870 | 4      | 1.0 | 0.2699  | 0.6380 | 0.6924  | -0.5352 | -0.7952 |         |
| 184879 | 4      | 1.0 | 0.1309  | 0.7768 | 0.5411  | -0.4759 | -0.8421 |         |
| 186754 | 4      | 1.0 | 0.1927  | 0.9032 | 0.5949  | -0.4675 | -1.0306 |         |
| LisTot | 5      | 1.0 | -0.8920 | 1.3337 | 0.6217  | -0.0262 | -0.6218 | -1.3074 |
| SpeFlu | 5      | 1.0 | -0.6654 | 1.4164 | 0.5739  | -0.0199 | -0.5737 | -1.3967 |
| SpeVoc | 5      | 1.0 | -0.6413 | 1.5757 | 0.5705  | 0.1038  | -0.6971 | -1.5528 |
| SpePro | 5      | 1.0 | -0.6102 | 1.4859 | 0.7586  | 0.0767  | -0.6844 | -1.6368 |
| SpeGra | 5      | 1.0 | -0.5576 | 1.4295 | 0.7308  | -0.0067 | -0.5702 | -1.5833 |



**Table B-32. 2004–2008 MEPA:  
Item Parameters—Grade Span 9–12, Spring 2008**

| <b>Item</b> | <b>Points</b> | <b>A</b> | <b>B</b> | <b>D1</b> | <b>D2</b> | <b>D3</b> | <b>D4</b> | <b>D5</b> |
|-------------|---------------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| 181886      | 1             | 1.0      | -2.3984  |           |           |           |           |           |
| 248683      | 1             | 1.0      | -2.1308  |           |           |           |           |           |
| 181897      | 1             | 1.0      | -0.3984  |           |           |           |           |           |
| 248667      | 1             | 1.0      | -1.1442  |           |           |           |           |           |
| 189437      | 1             | 1.0      | -0.9850  |           |           |           |           |           |
| 189456      | 1             | 1.0      | -1.5007  |           |           |           |           |           |
| 189483      | 1             | 1.0      | -0.8154  |           |           |           |           |           |
| 248671      | 1             | 1.0      | -0.5631  |           |           |           |           |           |
| 189490      | 1             | 1.0      | -1.0033  |           |           |           |           |           |
| 189493      | 1             | 1.0      | -0.0880  |           |           |           |           |           |
| 189507      | 2             | 1.0      | -0.4255  | 0.4038    | -0.4038   |           |           |           |
| 248689      | 2             | 1.0      | -1.3456  | -0.6573   | 0.6573    |           |           |           |
| 248691      | 2             | 1.0      | -0.4043  | 0.5690    | -0.5690   |           |           |           |
| 184378      | 1             | 1.0      | -0.5948  |           |           |           |           |           |
| 184381      | 1             | 1.0      | 0.1987   |           |           |           |           |           |
| 184383      | 1             | 1.0      | 0.0739   |           |           |           |           |           |
| 184384      | 1             | 1.0      | -0.5495  |           |           |           |           |           |
| 248698      | 1             | 1.0      | -0.2122  |           |           |           |           |           |
| 184367      | 1             | 1.0      | -0.0301  |           |           |           |           |           |
| 184368      | 1             | 1.0      | 0.1045   |           |           |           |           |           |
| 184365      | 1             | 1.0      | -1.4366  |           |           |           |           |           |
| 191874      | 1             | 1.0      | -0.3905  |           |           |           |           |           |
| 184373      | 1             | 1.0      | -0.7095  |           |           |           |           |           |
| 191820      | 2             | 1.0      | -0.0768  | 0.7001    | -0.7001   |           |           |           |
| 191875      | 2             | 1.0      | 0.4008   | 1.0343    | -1.0343   |           |           |           |
| 184375      | 2             | 1.0      | -0.3529  | 0.8038    | -0.8038   |           |           |           |
| 243360      | 1             | 1.0      | -0.3904  |           |           |           |           |           |
| 184407      | 1             | 1.0      | -0.8145  |           |           |           |           |           |
| 243364      | 1             | 1.0      | -0.3093  |           |           |           |           |           |
| 184409      | 1             | 1.0      | -0.3709  |           |           |           |           |           |
| 184411      | 1             | 1.0      | 0.1487   |           |           |           |           |           |
| 184454      | 1             | 1.0      | 0.0106   |           |           |           |           |           |
| 184456      | 1             | 1.0      | 0.0799   |           |           |           |           |           |
| 184458      | 1             | 1.0      | 0.5109   |           |           |           |           |           |
| 184455      | 1             | 1.0      | 0.0822   |           |           |           |           |           |
| 184459      | 1             | 1.0      | 0.9614   |           |           |           |           |           |
| 184412      | 2             | 1.0      | 0.4676   | 0.1165    | -0.1165   |           |           |           |
| 257681      | 4             | 1.0      | 0.7306   | 1.1432    | 0.4637    | -0.5670   | -1.0399   |           |
| 257735      | 1             | 1.0      | -2.4893  |           |           |           |           |           |
| 257736      | 1             | 1.0      | -1.8986  |           |           |           |           |           |
| 257737      | 1             | 1.0      | -1.5459  |           |           |           |           |           |
| 257738      | 1             | 1.0      | -1.8893  |           |           |           |           |           |
| 257739      | 1             | 1.0      | -1.8498  |           |           |           |           |           |
| 257740      | 1             | 1.0      | -1.4074  |           |           |           |           |           |
| 257741      | 2             | 1.0      | -1.4317  | 0.0262    | -0.0262   |           |           |           |
| 257742      | 2             | 1.0      | -1.5679  | -0.1857   | 0.1857    |           |           |           |
| 257743      | 2             | 1.0      | -1.1144  | -0.2293   | 0.2293    |           |           |           |
| 257744      | 2             | 1.0      | -0.5299  | -0.0477   | 0.0477    |           |           |           |
| 184852      | 1             | 1.0      | -1.3389  |           |           |           |           |           |

(cont'd)

| Item   | Points | A   | B       | D1     | D2      | D3      | D4      | D5      |
|--------|--------|-----|---------|--------|---------|---------|---------|---------|
| 186814 | 1      | 1.0 | -0.6830 |        |         |         |         |         |
| 186816 | 1      | 1.0 | -1.0420 |        |         |         |         |         |
| 186820 | 1      | 1.0 | -0.4249 |        |         |         |         |         |
| 186830 | 2      | 1.0 | -1.1657 | 0.4993 | -0.4993 |         |         |         |
| 186821 | 2      | 1.0 | -0.7720 | 0.4353 | -0.4353 |         |         |         |
| 186841 | 2      | 1.0 | -0.7133 | 0.1472 | -0.1472 |         |         |         |
| 186799 | 4      | 1.0 | 0.0325  | 1.0625 | 0.5922  | -0.4508 | -1.2039 |         |
| 186735 | 1      | 1.0 | -0.6413 |        |         |         |         |         |
| 186738 | 1      | 1.0 | -0.4640 |        |         |         |         |         |
| 186739 | 1      | 1.0 | -0.2090 |        |         |         |         |         |
| 186743 | 1      | 1.0 | -0.1396 |        |         |         |         |         |
| 186759 | 4      | 1.0 | 0.2535  | 1.0029 | 0.5419  | -0.7281 | -0.8167 |         |
| 248707 | 4      | 1.0 | 0.1461  | 0.6980 | 0.7505  | -0.3380 | -1.1105 |         |
| 186766 | 4      | 1.0 | 0.2845  | 1.3641 | 0.5041  | -0.6447 | -1.2235 |         |
| LisTot | 5      | 1.0 | -0.8658 | 1.4947 | 0.6329  | -0.0744 | -0.6656 | -1.3875 |
| SpeFlu | 5      | 1.0 | -0.6335 | 1.5626 | 0.5779  | -0.0159 | -0.6216 | -1.5031 |
| SpeVoc | 5      | 1.0 | -0.6177 | 1.7036 | 0.6208  | 0.0654  | -0.7481 | -1.6417 |
| SpePro | 5      | 1.0 | -0.6069 | 1.6216 | 0.7617  | 0.0426  | -0.7648 | -1.6611 |
| SpeGra | 5      | 1.0 | -0.5417 | 1.6073 | 0.7070  | -0.0176 | -0.6638 | -1.6329 |