All testing will be conducted by NDOT and the field samples will be large enough for additional testing. Field samples will be retained for three months and records of the tests will be retained by NDOT.

1. **Price adjustments based on total settleable solids**. Field samples taken of the delivered material will be measured for percent total settleable solids, according to the Clear Roads Test Method C. If the test results are out of specification, the Contractor will be subject to price adjustments based on the total of the respective shipment, as follows:

|  |
| --- |
| **% Settleable Solids** |
| **Test Results** | **Pay** |
| <1.0 | 100.0% |
| 1.1 - 1.8 | 87.5% |
| 1.9 - 2.5 | 75.0% |
| 2.6 - 3.3 | 62.5% |
| 3.4 - 4.0 | 50.0% |
| >4.0 | \* |

\* Test results in this range may constitute unacceptable material, and could result in rejection or require recovery and cleanup at the Contractor’s expense.

1. **Price adjustments based on solids passing #10 sieve**. Field samples taken of the delivered material will be measured for percent solids passing #10 sieve, according to the Clear Roads Test Method C. If the test results are out of specification, the Contractor will be subject to price adjustments based on the total of the respective shipment, as follows:

|  |
| --- |
| **% Solids Passing #10 Sieve** |
| **Test Results** | **Pay** |
| >99.0 | 100.0% |
| 98.8 - 98.9 | 87.5% |
| 98.5 - 98.7 | 75.0% |
| 98.3 - 98.4 | 62.5% |
| 98.0 - 98.2 | 50.0% |
| <98.0 | \* |

\* Test results in this range may constitute unacceptable material, and could result in rejection or require recovery and cleanup at the Contractor’s expense.

1. **Price adjustments based on potential of hydrogen (pH)**. Field samples taken of the delivered material will be measured for pH according to ASTM D1293, and will be tested at one part product and four parts distilled water. If the test results are out of specification, the Contractor will be subject to price adjustments based on the total of the respective shipment, as follows:

|  |
| --- |
| **pH** |
| **Test Results** | **Pay** |
| 5.0 - 11.0 | 100.0% |
| 4.7 - 4.9 | 11.1 - 11.3 | 87.5% |
| 4.5 - 4.6 | 11.4 - 11.5 | 75.0% |
| 4.2 - 4.4 | 11.6 - 11.8 | 62.5% |
| 4.0 - 4.1 | 11.9 - 12.0 | 50.0% |
| <4.0 | >12.0 | \* |

\* Test results in this range may constitute unacceptable material, and could result in rejection or require recovery and cleanup at the Contractor’s expense.

1. **Price adjustments based on specific gravity**. Field samples taken of the delivered material will be checked for specific gravity according to ASTM D1429 at 20oC. If the test results are out of specification, the Contractor will be subject to price adjustments based on the total of the respective shipment as follows:

|  |
| --- |
| **Specific Gravity** |
| **Test Results** | **Pay** |
| 1.265 - 1.340 | 100.0% |
| 1.258 - 1.264 | 1.341 - 1.348 | 87.5% |
| 1.250 - 1.257 | 1.349 - 1.355 | 75.0% |
| 1.243 - 1.249 | 1.356 - 1.363 | 62.5% |
| 1.235 - 1.242 | 1.364 - 1.370 | 50.0% |
| <1.235 | >1.370 | \* |

For example, if a test result of a field sample yields 1.262, then the sample is out of specification by 0.003 and the price adjustment would therefore be 87.5% pay.

\* Test results in this range may constitute unacceptable material, and could result in rejection or require recovery and cleanup at the Contractor’s expense.

1. **Price adjustments based on corrosion rate**. Field samples taken of the delivered material will be measured for the corrosion rate according to the Clear Roads Test Method B. If the test results are out of specification, the Contractor will be subject to price adjustments based on the total of the respective shipment as follows:

|  |
| --- |
| **Corrosion Rate****(% less corrosive than NaCl)** |
| **Test Results** | **Pay** |
| >70.0 | 100.0% |
| 65.0 - 69.9 | 87.5% |
| 60.0 - 64.9 | 75.0% |
| 55.0 - 59.9 | 62.5% |
| 50.0 - 54.9 | 50.0% |
| <50.0 | \* |

\* Test results in this range may constitute unacceptable material, and could result in rejection or require recovery and cleanup at the Contractor’s expense.