**Rollins North Phosphorus Buffer Schedule** — 8/29/2008

| Roadway Alignment and/or Turbine Site | Station to Station | BMP No. | Watershed | BMP | Size (ft.) | Imp. Area (acres) | Export Coefficient | Pre-Treatment lbs P/year | Treatment Factor | Post Treatment lbs P/year |
|---|---|---|---|---|---|---|---|---|---|---|
| ***Allocation Factor (P) = 0.063, Allocation Area (A) = 156.41 ac, Project Phosphorus Budget (PPB) = 9.854 Lbs P/yr*** | | | | | | | | | | |
| NC | 7+00-13+00 | FB1 | Caribou | FB | 55' | 0.2204 | 1.75 | 0.3857 | 0.4 | 0.15428 |
| NO1 | | NO1 | Caribou | | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 32+00-44+50 | FB6 | Caribou | FB | 35' | 0.2296 | 1.75 | 0.4018 | 0.4 | 0.16072 |
| NA | 47+00 | DT10 | Caribou | DT | 120' | 0.0459 | 1.75 | 0.080325 | 0.4 | 0.03213 |
| NA | 50+50 | DT11 | Caribou | DT | 120' | 0.0643 | 1.75 | 0.112525 | 0.4 | 0.04501 |
| NA | 49+50-61+00 | FB7 | Caribou | FB | 35' | 0.2112 | 1.75 | 0.3696 | 0.4 | 0.14784 |
| NA | 50+50-60+50 | FB8 | Caribou | FB | 35' | 0.1837 | 1.75 | 0.321475 | 0.4 | 0.12859 |
| NE | 0+00-7+50 | FB1 | Caribou | FB | 35' | 0.2755 | 1.75 | 0.482125 | 0.4 | 0.19285 |
| NA | 64+50 | DT12 | Caribou | DT | 120' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NA | 67+00 | DT13 | Caribou | DT | 120' | 0.0459 | 1.75 | 0.080325 | 0.4 | 0.03213 |
| NA | 66+50 | DT13A | Caribou | DT | 120' | 0.0331 | 1.75 | 0.057925 | 0.4 | 0.02317 |
| NA | 68+25-72+75 | FB9 | Caribou | FB | 35' | 0.0826 | 1.75 | 0.14455 | 0.4 | 0.05782 |
| NE | | NO6 | Caribou | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 73+25 | DT15 | Caribou | FB | 120' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NA | 76+00 | DT16 | Caribou | FB | 120' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NA | 78+50-83+20 | FB9A | Caribou | FB | 55' | 0.1726 | 1.75 | 0.30205 | 0.4 | 0.12082 |
| NA | 83+50 | DT17 | Caribou | DT | 120' | 0.1102 | 1.75 | 0.19285 | 0.4 | 0.07714 |
| NA | 86+00 | DT18 | Caribou | DT | 120' | 0.1837 | 1.75 | 0.321475 | 0.4 | 0.12859 |
| NA | 104+00 | DT18A | Caribou | DT | 120' | 0.1102 | 1.75 | 0.19285 | 0.4 | 0.07714 |
| NA | 86+50-104+00 | FB10 | Caribou | FB | 55' | 0.6428 | 1.75 | 1.1249 | 0.4 | 0.44996 |
| NA | 107+00 | DT19 | Caribou | DT | 120' | 0.1107 | 1.75 | 0.193725 | 0.4 | 0.07749 |
| NA | 109+50 | DT20 | Caribou | DT | 120' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NA | 112+50 | DT21 | Caribou | DT | 120' | 0.1102 | 1.75 | 0.19285 | 0.4 | 0.07714 |
| NA | 12+50-116+00 | FB11 | Caribou | FB | 55' | 0.1286 | 1.75 | 0.22505 | 0.4 | 0.09002 |
| N12 | | N12 | Caribou | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| N13 | | N13 | Caribou | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 132+00-137+00 | FB13 | Caribou | FB | 35' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| N14 | | N14 | Caribou | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 148+50-152+50 | FB15 | Caribou | FB | 35' | 0.0735 | 1.75 | 0.128625 | 0.4 | 0.05145 |
| NN | 1+75 | DT1 | Caribou | DT | 100' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NN | 3+00 | DT2 | Caribou | DT | 100' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NN | 5+75 | DT3 | Caribou | DT | 100' | 0.0367 | 1.75 | 0.064225 | 0.4 | 0.02569 |
| NN | 5+75-11+00 | FB1 | Caribou | FB | 55' | 0.1928 | 1.75 | 0.3374 | 0.4 | 0.13496 |
| N16 | | N16 | Caribou | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 154+00-157+50 | FB16 | Caribou | FB | 55' | 0.1258 | 1.75 | 0.22015 | 0.4 | 0.08806 |
| NA | 158+00-162+00 | FB17 | Caribou | FB | 55' | 0.1469 | 1.75 | 0.257075 | 0.4 | 0.10283 |
| NA | 162+00-166+50 | FB18 | Caribou | FB | 35' | 0.0826 | 1.75 | 0.14455 | 0.4 | 0.05782 |
| NA | 162+00-166+50 | FB19 | Caribou | FB | 35' | 0.0826 | 1.75 | 0.14455 | 0.4 | 0.05782 |
| NA | 166+50-214+00 | FB20 | Caribou | FB | 55' | 1.7450 | 1.75 | 3.05375 | 0.4 | 1.2215 |
| NA | 214+00-225+00 | FB21 | Caribou | FB | 55' | 0.4040 | 1.75 | 0.707 | 0.4 | 0.2828 |
| NA | 225+50 | DT30 | Caribou | DT | 120' | 0.0735 | 1.75 | 0.128625 | 0.4 | 0.05145 |
| NA | 227+00-234+00 | FB24 | Caribou | FB | 55' | 0.2571 | 1.75 | 0.449925 | 0.4 | 0.17997 |
| NA | 236+50 | DT31 | Caribou | DT | 100' | 0.1102 | 1.75 | 0.19285 | 0.4 | 0.07714 |
| N19 | | N19 | Caribou | FB | 180' | 0.5510 | 1.75 | 0.96425 | 0.4 | 0.3857 |
| NR | 0+00-3+00 | FBI | Caribou | FB | 35' | 0.2410 | 1.75 | 0.42175 | 0.4 | 0.1687 |
| NR | 4+50 | DT1 | Caribou | DT | 120' | 0.0275 | 1.75 | 0.048125 | 0.4 | 0.01925 |
| NR | 8+00 | DT2 | Caribou | DT | 120' | 0.0643 | 1.75 | 0.112525 | 0.4 | 0.04501 |
| | | | Caribou | | | **8.1489** | | **14.260575** | | **5.70423** |
| ***100% Treatment*** | | | | | | | | | | |
| ***Allocation Factor (P) = 0.042, Allocation Area (A) = 30.58 ac, Project Phosphorus Budget (PPB) = 1.284 Lbs P/yr*** | | | | | | | | | | |
| NA | 0+00-1+00 | | Madagascal | No treat | | 0.0367 | 1.75 | 0.064225 | 1 | 0.064225 |
| NA | 1+00-3+00 | | Madagascal | MB1 | 80' | 0.0735 | 1.75 | 0.128625 | 1 | 0.128625 |
| NA | 3+00-5+50 | MB1 | Madagascal | MB | 80' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NA | 5+50-8+00 | FB1 | Madagascal | FB | 35' | 0.0456 | 1.75 | 0.0798 | 0.4 | 0.03192 |
| NA | 5+50-8+50 | FB2 | Madagascal | FB | 35' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 8+50 | DT1A | Madagascal | FB | 100' | 0.0367 | 1.75 | 0.064225 | 0.4 | 0.02569 |
| NA | 8+00 | DT2 | Madagascal | FB | 120' | 0.0643 | 1.75 | 0.112525 | 0.4 | 0.04501 |
| NA | 10+50 | DT3 | Madagascal | MB | 180' | 0.0275 | 1.75 | 0.048125 | 0.4 | 0.01925 |
| NA | 11+50 | DT4 | Madagascal | FB | 120' | 0.0184 | 1.75 | 0.0322 | 0.4 | 0.01288 |
| NA | 12+50-13+00 | MB2 | Madagascal | MB | 80' | 0.0092 | 1.75 | 0.0161 | 0.4 | 0.00644 |
| NA | 12+00-17+50 | FB3 | Madagascal | FB | 35' | 0.1010 | 1.75 | 0.17675 | 0.4 | 0.0707 |
| NA | 17+50-22+50 | FB3A | Madagascal | FB | 35' | 0.1827 | 1.75 | 0.319725 | 0.4 | 0.12789 |
| NA | 13+00-17+50 | FB4 | Madagascal | FB | 35' | 0.0826 | 1.75 | 0.14455 | 0.4 | 0.05782 |
| NC | 2+25 | | Madagascal | DT | 120' | 0.1102 | 1.75 | 0.19285 | 1 | 0.19285 |
| ND | 2+00 | DT1 | Madagascal | DT | 120' | 0.1286 | 1.75 | 0.22505 | 0.4 | 0.09002 |
| ND | 4+50-9+05 | FB1 | Madagascal | FB | 55' | 0.1671 | 1.75 | 0.292425 | 0.4 | 0.11697 |
| NO2 | | NO2 | Madagascal | | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| | | | | | | **1.2861** | | **2.250675** | | **1.13169** |
| ***82.95% Treatment*** | | | | | | | | | | |
| ***Allocation Factor (P) = 0.086, Allocation Area (A) = 52.07 ac, Project Phosphorus Budget (PPB) = 4.487 Lbs P/yr*** | | | | | | | | | | |
| NA | 22+50 | DT5 | Mattakeunk | DT | 55' | 0.0735 | 1.75 | 0.128625 | 0.4 | 0.05145 |
| NA | 24+50 | DT6 | Mattakeunk | DT | 120' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NC | 0+25 | DT1 | Mattakeunk | DT | 120' | 0.1837 | 1.75 | 0.321475 | 0.4 | 0.12859 |
| NC | 3+75 | DT2 | Mattakeunk | DT | 120' | 0.0725 | 1.75 | 0.126875 | 0.4 | 0.05075 |
| NC | 5+50 | | Mattakeunk | DT | 120' | 0.0918 | 1.75 | 0.16065 | 1 | 0.16065 |
| NC | 8+00 | | Mattakeunk | DT | 120' | 0.1102 | 1.75 | 0.19285 | 1 | 0.19285 |

**Rollins North Phosphorus Buffer Schedule** — 8/29/2008

| Roadway Alignment and/or Turbine Site | Station to Station | BMP No. | Watershed | BMP | Size (ft.) | Imp. Area (acres) | Export Coefficient | Pre-Treatment lbs P/year | Treatment Factor | Post Treatment lbs P/year |
|---|---|---|---|---|---|---|---|---|---|---|
| NB | 0+00-11+00 | FB1 | Mattakeunk | FB | 55' | 0.4040 | 1.75 | 0.707 | 0.4 | 0.2828 |
| N03 | | N03 | Mattakeunk | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 30+00 | DT8 | Mattakeunk | DT | 120' | 0.0735 | 1.75 | 0.128625 | 0.4 | 0.05145 |
| NA | 32+00-44+50 | FB5 | Mattakeunk | FB | 35' | 0.2296 | 1.75 | 0.4018 | 0.4 | 0.16072 |
| N04 | | N04 | Mattakeunk | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 47+00 | DT9 | Mattakeunk | DT | 120' | 0.0459 | 1.75 | 0.080325 | 0.4 | 0.03213 |
| NA | 50+00 | DT9A | Mattakeunk | DT | 120' | 0.3670 | 1.75 | 0.64225 | 0.4 | 0.2569 |
| N05 | | N05 | Mattakeunk | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NF | 0+00-4+50 | FB1 | Mattakeunk | FB | 55' | 0.1653 | 1.75 | 0.289275 | 0.4 | 0.11571 |
| N07 | | N07 | Mattakeunk | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NG | 0+00-7+00 | FB1 | Mattakeunk | FB | 55' | 0.2571 | 1.75 | 0.449925 | 0.4 | 0.17997 |
| N08 | | N08 | Mattakeunk | FB | 55' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| | | | | | | **2.4047** | | **4.208225** | | **1.89539** |
| ***91.67% Treatment*** | | | | | | | | | | |
| ***General Standards = Treatment of 75% of Developed Areas*** | | | | | | | | | | |
| N09 | | N09 | Salmon Str. | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 119+00 | DT22 | Salmon Str. | DT | 120' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NA | 121+00 | DT23 | Salmon Str. | DT | 120' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NA | 123+50 | DT24 | Salmon Str. | DT | 120' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NA | 126+50 | DT25 | Salmon Str. | DT | 120' | 0.1102 | 1.75 | 0.19285 | 0.4 | 0.07714 |
| NA | 129+00 | DT26 | Salmon Str. | DT | 120' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NA | 129+00-137+50 | FB12 | Salmon Str. | FB | 35' | 0.1561 | 1.75 | 0.273175 | 0.4 | 0.10927 |
| NA | 138+00 | DT27 | Salmon Str. | DT | 120' | 0.0198 | 1.75 | 0.03465 | 0.4 | 0.01386 |
| NL | 2+50 | DT1 | Salmon Str. | DT | 100' | 0.0735 | 1.75 | 0.128625 | 0.4 | 0.05145 |
| NA | 151+00 | DT28 | Salmon Str. | DT | 120' | 0.0918 | 1.75 | 0.16065 | 0.4 | 0.06426 |
| NA | 140+00+146+00 | FB14 | Salmon Str. | FB | 55' | 0.2755 | 1.75 | 0.482125 | 0.4 | 0.19285 |
| NM | 0+00-1+25 | FB1 | Salmon Str. | FB | 55' | 0.0459 | 1.75 | 0.080325 | 0.4 | 0.03213 |
| NM | 1+25-3+100 | NONE | Salmon Str. | No treat | | 0.0643 | 1.75 | 0.112525 | 1 | 0.112525 |
| NM | 2+00-3+00 | FB2 | Salmon Str. | FB | 55' | 0.0367 | 1.75 | 0.064225 | 0.4 | 0.02569 |
| N15 | | N15 | Salmon Str. | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 152+50 | DT29 | Salmon Str. | DT | 120' | 0.1010 | 1.75 | 0.17675 | 0.4 | 0.0707 |
| NN | 2+00 | DT1 | Salmon Str. | DT | 120' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 227+00-234+00 | FB22 | Salmon Str. | FB | 55' | 0.2571 | 1.75 | 0.449925 | 0.4 | 0.17997 |
| ND | 0+00-4+50 | FB1 | Salmon Str. | FB | 55' | 0.1653 | 1.75 | 0.289275 | 0.4 | 0.11571 |
| N17 | | N17 | Salmon Str. | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| NA | 214+00-225+00 | FB23 | Salmon Str. | FB | 55' | 0.4040 | 1.75 | 0.707 | 0.4 | 0.2828 |
| NP | 0+00 | DT1 | Salmon Str. | DT | 120' | 0.1102 | 1.75 | 0.19285 | 0.4 | 0.07714 |
| N18 | | N18 | Salmon Str. | FB | 180' | 0.0551 | 1.75 | 0.096425 | 0.4 | 0.03857 |
| ***99.60% Treatment*** | | | | | | **2.5541** | | **4.469675** | | **1.855385** |

**Rollins North Culvert Schedule** — 8/20/2008

| Culvert # | Station +/- | Drainage Area (ac.) | Size (in.) | Length (ft.)+/- |
|---|---|---|---|---|
| NB-C1 | 1+75 | 15.6 | 18 | 50 |
| NA-C3 | 27+75 | 4.11 | 15 | 50 |
| NC-C1 | 4+50 | 0.85 | 12 | 120 |
| NA-C4 | 61+50 | 19.89 | 18 | 50 |
| NE-C1 | 1+40 | 2.03 | 12 | 90 |
| NA-C5 | 71+75 | 2.42 | 12 | 50 |
| NA-C6 | 79+75 | 6.54 | 15 | 50 |
| NA-C8 | 91+50 | 2.4 | 12 | 95 |
| NA-C9 | 140+00 | 1.88 | 12 | 50 |
| NA-C10 | 156+25 | 4.64 | 15 | 50 |
| NA-C12 | 195+00 | 88.51 | 42 | 50 |
| NA-C13 | 215+00 | 3.06 | 15 | 50 |
| NA-C14 | 227+50 | 1.74 | 12 | 50 |
| NN-C16 | 6+50 | 14.09 | 15 | 50 |
| NN-C17 | 8+00 | 1.48 | 12 | 100 |
| NA-C11 | 171+75 | 30.25 | 30 | 50 |
| NA-C1 | 0+60 | ?? | 18 | 190 |
| NA-C2 | 5+15 | ?? | 12 | 50 |
| NA-C7 | 87+15 | ?? | 15 | 50 |
| NR-C1 | 1+00 | ?? | 15 | 50 |
| TP-C1 | TEMP PARKING | ?? | 12 | 60 |
| TP-C2 | TEMP ROAD | ?? | 15 | 70 |
| TP-C3 | TEMP ROAD | ?? | 15 | 40 |
| ?? - SMALL OR INSIGNIFICANT DRAINAGE AREA | | | | |

**Rollins South Permanent 16' Road Location Schedule** — 8/20/2008

| Roadway Alignment | Station** | Road Location* Left | Center | Right |
|---|---|---|---|---|
| NA | 0+00-5+50 | | | X |
| NA | 5+50-17+50 | | X | |
| NA | 17+50-26+50 | X | | |
| ND | 0+00-9+05 | | | X |
| NC | 0+00-4+00 | | | X |
| NC | 4+00-13+00 | X | | |
| NA | 26+50-32+00 | X | | |
| NB | 0+00-11+00 | X | | |
| NA | 26+50-32+00 | X | | |
| NA | 32+00-44+50 | | X | |
| NA | 44+50-53+00 | | X | |
| NA | 53+00-68+50 | | X | |
| NA | 68+50-71+00 | | X | |
| NF | 0+00-4+50 | X | | |
| NA | 71+00-73+00 | | | X |
| NA | 73+00-79+00 | | | X |
| NG | 0+00-7+00 | | | X |
| NH | 0+00-5+50 | X | | |
| NA | 79+00-104+00 | | | X |
| NA | 104+00-116+00 | | | X |
| NA | 116+00-132+00 | X | | |
| NA | 132+00-137+00 | | X | |
| NA | 137+00-140+00 | X | | |
| NA | 140+00-148+50 | X | | |
| NA | 148+50-152+50 | | X | |
| NL | 0+00-4+50 | X | | |
| NA | 152+50-161+50 | X | | |
| NA | 161+50-166+50 | | X | |
| NA | 166+50-214+00 | | | X |
| NA | 214+00-226+00 | X | | |
| NA | 226+00-236+00 | | | X |
| NP | 0+00-3+00 | X | | |
| NM | 0+00-3+00 | X | | |
| NN | 0+00-8+00 | | X | |
| NN | 8+00-11+00 | X | | |
| NR | 0+00-8+50 | | | X |

* - Indicates the location of the permanent 16' wide roadway within the temporary 32' wide corridor. For example "Left", "Right" and "Center" indicate that the the permanent road will be located in either the left lane, right lane or centered on the 32' corridor. The remaining portion of the 32' wide corrdior will be re-vegetated.
** - Locations may be revised based on field conditions.

LEGEND:

NA – ROADWAY CORRIDOR DESIGNATION (I.E. NORTH SITE; CORRIDOR A)
NO1 – TURBINE SITE (I.E. NORTH SITE; TURBINE #01)
FB – FOREST BUFFER BMP
MB – MEADOW BUFFER BMP
DT – DITCH TURN OUT BMP
LS – LEVEL SPREADER BMP
NA–C1 – ALIGMENT NAME–CULVERT DESIGNATION


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Consultants

Legend

Notes

1. REFER TO SHEET C–001 FOR EXISITNG AND PROPOSED LEGENDS.
2. REFER TO SHEETS C–501 THROUGH C–508 FOR TYPICAL DETAILS.
3. REFER TO SHEETS C–618–S AND C–613–N FOR CULVERT, DITCH TURNOUT, LEVEL SPREADER AND FINAL LOCATION OF 16' WIDE ACCESS ROAD TABLES

**DEP SUBMISSION**
NOT FOR CONSTRUCTION
SEPTEMBER 5, 2008

| Revision | By | Appd. | YY.MM.DD |
|---|---|---|---|
| SITE LOCATION DEVELOPMENT PERMIT | GCK | GCK | 08.09.05 |

| Issued | By | Appd. | YY.MM.DD |
|---|---|---|---|
| File Name: n00147–c613.dwg | BVD | GCK | PC | 08.09.05 |
| | Dwn. | Chkd. | Dsgn. | YY.MM.DD |

Permit-Seal

Client/Project
EVERGREEN WIND POWER III, LLC

ROLLINS WIND PROJECT (ROLLINS)
ROLLINS NORTH
LINCOLN, BURLINGTON, LEE, WINN AND MATTAWAMKEAG
PENOBSCOT COUNTY, MAINE

Title
PHOSPHORUS BUFFER, ROAD REVEGETATION & CULVERT SCHEDULES

Project No. 195600147
Scale NOT TO SCALE

Drawing No. C-613-N
Sheet 75 of 93
Revision 0

ROLLINS NORTH SITE