# Indiana Horse Racing Commission
# Staff Report

## Cobalt Testing Results
## 2014


**January 12, 2015**

**Joe Gorajec**
**Executive Director**

# Staff Report

## Executive Summary

The enforcement of Indiana's first-in-the-nation cobalt regulation has led to a substantial decline in cobalt abuse. The occurrence of very high levels of cobalt - over 100 ppb – have been all but eliminated.

## Background

In the summer of 2014, the blood samples of 354 of standardbreds, thoroughbreds and quarter horses competing at Hoosier Park and Indiana Grand were analyzed for cobalt. Results of these tests indicated that excessive cobalt administration was jeopardizing the integrity of Indiana's racing product and endangering the health and welfare of its racehorses. The results supported the conclusion that cobalt abuse was likely occurring on a daily basis.

On September 4, 2014, the Indiana Horse Racing Commission passed a rule regulating cobalt by establishing a threshold level of 25 ppb (parts per billion). The rule went into effect on September 30, 2014.

## High Levels – Over 25 ppb

The period of enforcement began September 30, 2014. This period encompassed 60 days of racing – 25 days at Indiana Grand and 35 days at Hoosier Park. All totaled, 879 horses were tested. Of that total, 9 horses (1.0%) tested positive.[1]

The enforcement of the new cobalt regulation shows an 83% decline in cobalt abuse. Below is a side-by-side comparison.

**Table 1**
**UNREGULATED**
**Summer 2014**

| Breed | # of Horses | # of Samples >25 ppb | % |
|---|---|---|---|
| SB | 180 | 14 | 7.8% |
| TB | 127 | 4 | 3.1% |
| QH | 47 | 3 | 6.4% |
| **TOTAL** | 354 | 21 | 5.9% |

**Table 2**
**REGULATED**
**Sept. 30, 2014 – Nov. 15, 2014**

| Breed | # of Horses | # of Samples >25 ppb | % |
|---|---|---|---|
| SB | 505 | 7 | 1.4% |
| TB | 309 | 1 | 0.3% |
| QH | 65 | 1 | 1.5% |
| **TOTAL** | 879 | 9 | 1.0% |

[1] The positive test count does not include two horses that tested over 25 ppb but whose split sample tested under the regulatory threshold.

## Very High Levels – 100 ppb or more

Even more significant than the 83% overall decline in cobalt abuse is the virtual elimination of cobalt levels over 100 ppb. Overall, cobalt abuse at these very high levels dropped 96.8 % and disappeared completely in both standardbreds and thoroughbreds.

The tables below compare the pre-regulation period with the regulated period.

**Table 3**
**UNREGULATED**
**Summer 2014**

| Breed | # of Horses | # of Samples >100 ppb | % |
|---|---|---|---|
| SB | 180 | 5 | 2.8% |
| TB | 127 | 3 | 2.4% |
| QH | 47 | 3 | 6.4% |
| **TOTAL** | 354 | 11 | 3.1% |

**Table 4**
**REGULATED**
**Sept. 30, 2014 – Nov. 15, 2014**

| Breed | # of Horses | # of Samples >100 ppb | % |
|---|---|---|---|
| SB | 505 | 0 | 0% |
| TB | 309 | 0 | 0% |
| QH | 65 | 1[2] | 1.5% |
| **TOTAL** | 879 | 1 | 0.1% |

[2] The quarter horse tested at a concentration of 249 ppb.

## Other Findings

The tests results of each of the 879 horses tested are provided in Exhibit A. These are believed to be the first sampling of cobalt levels in a regulated environment anywhere. Analysis of this data leads to a few interesting facts.

**FACT #1** – The average (median) cobalt level of all horses tested is 3.0 ppb. The breakdown by breed is as follows: standardbred (4.2 ppb), thoroughbred (2.0 ppb) and quarter horse (4.2 ppb).

**FACT #2** – The percentage of horses testing less than a concentration of 10 ppb is 93.0%. The breakdown by breed is as follows: standardbred (90.5%), thoroughbred (97.1%) and quarter horse (93.8%).

## Penalties

Prior to the cobalt regulation's effective date, and upon encouragement from the Indiana HBPA, the Executive Director issued a policy statement allowing for a tiered penalty scheme (See Exhibit B). The first tier allows for no trainer penalty for a violation under 50 ppb but mandates a forfeiture of purse. Of the 9 positive tests, 6 tested at a concentration of more than 25 ppb but less than 50 ppb. Four rulings have been issued. Five positive tests remain in the adjudication process.

**Giving Thanks**

The Indiana Horse Racing Commission would like to thank the University of Kentucky Veterinary Diagnostic Laboratory and LGC Science, Inc. for their efforts without which this program would not be possible.

1/12/15
Date

Joe Gorajec
Executive Director

**Exhibit A**
**1/13/15**

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

*505 Total Samples*

| Standardbred | |
|---|---|
| | Concentration |
| 1 | 88.9 |
| 2 | 56.2 |
| 3 | 43.9 |
| 4 | 41.3 |
| 5 | 37.7 |
| 6 | 37.4 |
| 7 | 34.6 |
| 8 | 28.2 |
| 9 | 27.8 |
| 10 | 23.8 |
| 11 | 23.7 |
| 12 | 19.1 |
| 13 | 18.3 |
| 14 | 17.9 |
| 15 | 17.9 |
| 16 | 17.2 |
| 17 | 16.6 |
| 18 | 16.6 |
| 19 | 15.9 |
| 20 | 15.8 |
| 21 | 15.3 |
| 22 | 14.6 |
| 23 | 14.6 |
| 24 | 14.5 |
| 25 | 14.2 |
| 26 | 14.1 |
| 27 | 14.0 |
| 28 | 14.0 |
| 29 | 13.7 |
| 30 | 13.7 |
| 31 | 13.6 |
| 32 | 13.1 |
| 33 | 13.0 |
| 34 | 12.7 |
| 35 | 12.7 |
| 36 | 12.7 |
| 37 | 12.4 |
| 38 | 12.3 |

*309 Total Samples*

| Thoroughbred | |
|---|---|
| | Concentration |
| 1 | 38.1 |
| 2 | 17.5 |
| 3 | 17.0 |
| 4 | 16.5 |
| 5 | 12.1 |
| 6 | 11.0 |
| 7 | 10.5 |
| 8 | 10.4 |
| 9 | 10.1 |
| 10 | 9.9 |
| 11 | 9.4 |
| 12 | 9.3 |
| 13 | 9.3 |
| 14 | 9.3 |
| 15 | 9.0 |
| 16 | 8.8 |
| 17 | 8.4 |
| 18 | 8.3 |
| 19 | 8.1 |
| 20 | 7.6 |
| 21 | 7.3 |
| 22 | 7.3 |
| 23 | 7.3 |
| 24 | 7.2 |
| 25 | 7.2 |
| 26 | 7.2 |
| 27 | 7.1 |
| 28 | 7.0 |
| 29 | 7.0 |
| 30 | 7.0 |
| 31 | 6.9 |
| 32 | 6.9 |
| 33 | 6.9 |
| 34 | 6.8 |
| 35 | 6.8 |
| 36 | 6.7 |
| 37 | 6.7 |
| 38 | 6.6 |

*65 Total Samples*

| Quarter Horse | |
|---|---|
| | Concentration |
| 1 | 248.9 |
| 2 | 14.9 |
| 3 | 14.6 |
| 4 | 10.4 |
| 5 | 8.6 |
| 6 | 8.4 |
| 7 | 7.8 |
| 8 | 7.2 |
| 9 | 7.1 |
| 10 | 6.8 |
| 11 | 6.7 |
| 12 | 6.6 |
| 13 | 6.5 |
| 14 | 6.5 |
| 15 | 6.5 |
| 16 | 6.4 |
| 17 | 6.3 |
| 18 | 6.3 |
| 19 | 6.3 |
| 20 | 6.2 |
| 21 | 6.2 |
| 22 | 6.0 |
| 23 | 6.0 |
| 24 | 5.9 |
| 25 | 5.9 |
| 26 | 5.9 |
| 27 | 5.9 |
| 28 | 5.8 |
| 29 | 5.8 |
| 30 | 5.8 |
| 31 | 5.8 |
| 32 | 5.6 |
| 33 | 5.6 |
| 34 | 5.4 |
| 35 | 5.4 |
| 36 | 5.4 |
| 37 | 5.3 |
| 38 | 5.3 |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| Concentration | |
| 39 | **12.1** |
| 40 | **12.0** |
| 41 | **12.0** |
| 42 | **11.9** |
| 43 | **11.9** |
| 44 | **11.0** |
| 45 | **10.7** |
| 46 | **10.4** |
| 47 | **10.3** |
| 48 | **10.0** |
| 49 | **9.8** |
| 50 | **9.6** |
| 51 | **9.6** |
| 52 | **9.6** |
| 53 | **9.4** |
| 54 | **9.2** |
| 55 | **9.1** |
| 56 | **9.0** |
| 57 | **9.0** |
| 58 | **8.9** |
| 59 | **8.7** |
| 60 | **8.6** |
| 61 | **8.6** |
| 62 | **8.4** |
| 63 | **8.4** |
| 64 | **8.3** |
| 65 | **8.2** |
| 66 | **8.2** |
| 67 | **8.1** |
| 68 | **8.0** |
| 69 | **8.0** |
| 70 | **8.0** |
| 71 | **8.0** |
| 72 | **8.0** |
| 73 | **7.9** |
| 74 | **7.9** |
| 75 | **7.8** |
| 76 | **7.8** |
| 77 | **7.7** |

| Thoroughbred | |
|---|---|
| Concentration | |
| 39 | **6.4** |
| 40 | **6.4** |
| 41 | **6.3** |
| 42 | **6.3** |
| 43 | **6.3** |
| 44 | **6.1** |
| 45 | **6.0** |
| 46 | **5.9** |
| 47 | **5.8** |
| 48 | **5.8** |
| 49 | **5.8** |
| 50 | **5.6** |
| 51 | **5.5** |
| 52 | **5.5** |
| 53 | **5.3** |
| 54 | **5.3** |
| 55 | **5.3** |
| 56 | **5.3** |
| 57 | **5.2** |
| 58 | **5.2** |
| 59 | **5.2** |
| 60 | **5.1** |
| 61 | **5.1** |
| 62 | **5.1** |
| 63 | **5.0** |
| 64 | **4.9** |
| 65 | **4.9** |
| 66 | **4.9** |
| 67 | **4.8** |
| 68 | **4.8** |
| 69 | **4.8** |
| 70 | **4.7** |
| 71 | **4.7** |
| 72 | **4.6** |
| 73 | **4.6** |
| 74 | **4.6** |
| 75 | **4.5** |
| 76 | **4.5** |
| 77 | **4.5** |

| Quarter Horse | |
|---|---|
| Concentration | |
| 39 | **5.2** |
| 40 | **5.1** |
| 41 | **5.0** |
| 42 | **4.8** |
| 43 | **4.7** |
| 44 | **4.5** |
| 45 | **4.5** |
| 46 | **4.3** |
| 47 | **4.1** |
| 48 | **4.0** |
| 49 | **3.9** |
| 50 | **3.6** |
| 51 | **3.6** |
| 52 | **3.6** |
| 53 | **3.2** |
| 54 | **3.1** |
| 55 | **3.0** |
| 56 | **2.3** |
| 57 | **2.2** |
| 58 | **2.1** |
| 59 | **2.0** |
| 60 | **1.7** |
| 61 | **1.6** |
| 62 | **1.6** |
| 63 | **1.1** |
| 64 | **1.0** |
| 65 | **0.8** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | **Concentration** |
| 78 | **7.6** |
| 79 | **7.5** |
| 80 | **7.5** |
| 81 | **7.5** |
| 82 | **7.5** |
| 83 | **7.4** |
| 84 | **7.4** |
| 85 | **7.3** |
| 86 | **7.3** |
| 87 | **7.2** |
| 88 | **7.1** |
| 89 | **7.0** |
| 90 | **7.0** |
| 91 | **7.0** |
| 92 | **6.9** |
| 93 | **6.9** |
| 94 | **6.8** |
| 95 | **6.8** |
| 96 | **6.7** |
| 97 | **6.7** |
| 98 | **6.7** |
| 99 | **6.7** |
| 100 | **6.6** |
| 101 | **6.5** |
| 102 | **6.4** |
| 103 | **6.4** |
| 104 | **6.3** |
| 105 | **6.3** |
| 106 | **6.3** |
| 107 | **6.2** |
| 108 | **6.2** |
| 109 | **6.1** |
| 110 | **6.1** |
| 111 | **6.1** |
| 112 | **6.0** |
| 113 | **6.0** |
| 114 | **6.0** |
| 115 | **6.0** |
| 116 | **5.9** |

| Thoroughbred | |
|---|---|
| | **Concentration** |
| 78 | **4.4** |
| 79 | **4.4** |
| 80 | **4.3** |
| 81 | **4.2** |
| 82 | **4.2** |
| 83 | **4.2** |
| 84 | **4.2** |
| 85 | **4.1** |
| 86 | **4.1** |
| 87 | **4.0** |
| 88 | **3.9** |
| 89 | **3.9** |
| 90 | **3.8** |
| 91 | **3.8** |
| 92 | **3.8** |
| 93 | **3.7** |
| 94 | **3.7** |
| 95 | **3.7** |
| 96 | **3.7** |
| 97 | **3.5** |
| 98 | **3.4** |
| 99 | **3.4** |
| 100 | **3.4** |
| 101 | **3.4** |
| 102 | **3.4** |
| 103 | **3.3** |
| 104 | **3.3** |
| 105 | **3.2** |
| 106 | **3.2** |
| 107 | **3.2** |
| 108 | **3.1** |
| 109 | **3.1** |
| 110 | **3.1** |
| 111 | **3.0** |
| 112 | **3.0** |
| 113 | **3.0** |
| 114 | **2.9** |
| 115 | **2.9** |
| 116 | **2.9** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | **Concentration** |
| 117 | **5.9** |
| 118 | **5.9** |
| 119 | **5.8** |
| 120 | **5.8** |
| 121 | **5.8** |
| 122 | **5.8** |
| 123 | **5.8** |
| 124 | **5.8** |
| 125 | **5.8** |
| 126 | **5.8** |
| 127 | **5.7** |
| 128 | **5.7** |
| 129 | **5.7** |
| 130 | **5.7** |
| 131 | **5.6** |
| 132 | **5.5** |
| 133 | **5.5** |
| 134 | **5.5** |
| 135 | **5.4** |
| 136 | **5.4** |
| 137 | **5.3** |
| 138 | **5.3** |
| 139 | **5.3** |
| 140 | **5.3** |
| 141 | **5.3** |
| 142 | **5.3** |
| 143 | **5.2** |
| 144 | **5.2** |
| 145 | **5.1** |
| 146 | **5.1** |
| 147 | **5.1** |
| 148 | **5.1** |
| 149 | **5.1** |
| 150 | **5.1** |
| 151 | **5.1** |
| 152 | **5.1** |
| 153 | **5.0** |
| 154 | **5.0** |
| 155 | **5.0** |

| Thoroughbred | |
|---|---|
| | **Concentration** |
| 117 | **2.9** |
| 118 | **2.8** |
| 119 | **2.8** |
| 120 | **2.8** |
| 121 | **2.7** |
| 122 | **2.7** |
| 123 | **2.7** |
| 124 | **2.7** |
| 125 | **2.6** |
| 126 | **2.6** |
| 127 | **2.6** |
| 128 | **2.5** |
| 129 | **2.5** |
| 130 | **2.5** |
| 131 | **2.4** |
| 132 | **2.4** |
| 133 | **2.4** |
| 134 | **2.4** |
| 135 | **2.4** |
| 136 | **2.4** |
| 137 | **2.4** |
| 138 | **2.3** |
| 139 | **2.3** |
| 140 | **2.3** |
| 141 | **2.3** |
| 142 | **2.3** |
| 143 | **2.3** |
| 144 | **2.3** |
| 145 | **2.2** |
| 146 | **2.2** |
| 147 | **2.2** |
| 148 | **2.2** |
| 149 | **2.1** |
| 150 | **2.1** |
| 151 | **2.1** |
| 152 | **2.1** |
| 153 | **2.0** |
| 154 | **2.0** |
| 155 | **2.0** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | **Concentration** |
| 156 | **5.0** |
| 157 | **4.9** |
| 158 | **4.9** |
| 159 | **4.9** |
| 160 | **4.9** |
| 161 | **4.9** |
| 162 | **4.8** |
| 163 | **4.8** |
| 164 | **4.8** |
| 165 | **4.8** |
| 166 | **4.7** |
| 167 | **4.7** |
| 168 | **4.7** |
| 169 | **4.7** |
| 170 | **4.6** |
| 171 | **4.6** |
| 172 | **4.6** |
| 173 | **4.6** |
| 174 | **4.6** |
| 175 | **4.5** |
| 176 | **4.5** |
| 177 | **4.5** |
| 178 | **4.5** |
| 179 | **4.5** |
| 180 | **4.5** |
| 181 | **4.5** |
| 182 | **4.5** |
| 183 | **4.4** |
| 184 | **4.4** |
| 185 | **4.4** |
| 186 | **4.4** |
| 187 | **4.4** |
| 188 | **4.4** |
| 189 | **4.3** |
| 190 | **4.3** |
| 191 | **4.3** |
| 192 | **4.3** |
| 193 | **4.3** |
| 194 | **4.3** |

| Thoroughbred | |
|---|---|
| | **Concentration** |
| 156 | **1.9** |
| 157 | **1.9** |
| 158 | **1.9** |
| 159 | **1.9** |
| 160 | **1.8** |
| 161 | **1.8** |
| 162 | **1.8** |
| 163 | **1.8** |
| 164 | **1.8** |
| 165 | **1.8** |
| 166 | **1.8** |
| 167 | **1.7** |
| 168 | **1.7** |
| 169 | **1.7** |
| 170 | **1.7** |
| 171 | **1.7** |
| 172 | **1.7** |
| 173 | **1.7** |
| 174 | **1.7** |
| 175 | **1.7** |
| 176 | **1.7** |
| 177 | **1.7** |
| 178 | **1.7** |
| 179 | **1.7** |
| 180 | **1.6** |
| 181 | **1.6** |
| 182 | **1.6** |
| 183 | **1.6** |
| 184 | **1.6** |
| 185 | **1.6** |
| 186 | **1.6** |
| 187 | **1.6** |
| 188 | **1.5** |
| 189 | **1.5** |
| 190 | **1.5** |
| 191 | **1.5** |
| 192 | **1.5** |
| 193 | **1.5** |
| 194 | **1.5** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | Concentration |
| 195 | **4.3** |
| 196 | **4.3** |
| 197 | **4.3** |
| 198 | **4.2** |
| 199 | **4.2** |
| 200 | **4.2** |
| 201 | **4.2** |
| 202 | **4.2** |
| 203 | **4.2** |
| 204 | **4.2** |
| 205 | **4.1** |
| 206 | **4.1** |
| 207 | **4.1** |
| 208 | **4.1** |
| 209 | **4.0** |
| 210 | **4.0** |
| 211 | **4.0** |
| 212 | **4.0** |
| 213 | **4.0** |
| 214 | **4.0** |
| 215 | **4.0** |
| 216 | **4.0** |
| 217 | **3.9** |
| 218 | **3.9** |
| 219 | **3.9** |
| 220 | **3.9** |
| 221 | **3.9** |
| 222 | **3.9** |
| 223 | **3.9** |
| 224 | **3.8** |
| 225 | **3.8** |
| 226 | **3.8** |
| 227 | **3.7** |
| 228 | **3.7** |
| 229 | **3.7** |
| 230 | **3.7** |
| 231 | **3.7** |
| 232 | **3.7** |
| 233 | **3.6** |

| Thoroughbred | |
|---|---|
| | Concentration |
| 195 | **1.5** |
| 196 | **1.5** |
| 197 | **1.5** |
| 198 | **1.5** |
| 199 | **1.5** |
| 200 | **1.4** |
| 201 | **1.4** |
| 202 | **1.4** |
| 203 | **1.4** |
| 204 | **1.4** |
| 205 | **1.4** |
| 206 | **1.4** |
| 207 | **1.4** |
| 208 | **1.4** |
| 209 | **1.4** |
| 210 | **1.4** |
| 211 | **1.4** |
| 212 | **1.4** |
| 213 | **1.4** |
| 214 | **1.4** |
| 215 | **1.4** |
| 216 | **1.3** |
| 217 | **1.3** |
| 218 | **1.3** |
| 219 | **1.3** |
| 220 | **1.3** |
| 221 | **1.3** |
| 222 | **1.3** |
| 223 | **1.3** |
| 224 | **1.3** |
| 225 | **1.3** |
| 226 | **1.3** |
| 227 | **1.3** |
| 228 | **1.3** |
| 229 | **1.3** |
| 230 | **1.3** |
| 231 | **1.3** |
| 232 | **1.2** |
| 233 | **1.2** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | Concentration |
| 234 | **3.6** |
| 235 | **3.6** |
| 236 | **3.6** |
| 237 | **3.6** |
| 238 | **3.6** |
| 239 | **3.6** |
| 240 | **3.5** |
| 241 | **3.5** |
| 242 | **3.5** |
| 243 | **3.5** |
| 244 | **3.4** |
| 245 | **3.4** |
| 246 | **3.4** |
| 247 | **3.4** |
| 248 | **3.4** |
| 249 | **3.3** |
| 250 | **3.3** |
| 251 | **3.3** |
| 252 | **3.3** |
| 253 | **3.3** |
| 254 | **3.3** |
| 255 | **3.3** |
| 256 | **3.3** |
| 257 | **3.3** |
| 258 | **3.3** |
| 259 | **3.3** |
| 260 | **3.3** |
| 261 | **3.2** |
| 262 | **3.2** |
| 263 | **3.2** |
| 264 | **3.2** |
| 265 | **3.2** |
| 266 | **3.2** |
| 267 | **3.1** |
| 268 | **3.1** |
| 269 | **3.1** |
| 270 | **3.1** |
| 271 | **3.1** |
| 272 | **3.1** |

| Thoroughbred | |
|---|---|
| | Concentration |
| 234 | **1.2** |
| 235 | **1.2** |
| 236 | **1.2** |
| 237 | **1.2** |
| 238 | **1.2** |
| 239 | **1.2** |
| 240 | **1.2** |
| 241 | **1.2** |
| 242 | **1.2** |
| 243 | **1.2** |
| 244 | **1.1** |
| 245 | **1.1** |
| 246 | **1.1** |
| 247 | **1.1** |
| 248 | **1.1** |
| 249 | **1.1** |
| 250 | **1.1** |
| 251 | **1.1** |
| 252 | **1.1** |
| 253 | **1.0** |
| 254 | **1.0** |
| 255 | **1.0** |
| 256 | **1.0** |
| 257 | **1.0** |
| 258 | **1.0** |
| 259 | **1.0** |
| 260 | **0.9** |
| 261 | **0.9** |
| 262 | **0.9** |
| 263 | **0.9** |
| 264 | **0.9** |
| 265 | **0.9** |
| 266 | **0.9** |
| 267 | **0.9** |
| 268 | **0.9** |
| 269 | **0.9** |
| 270 | **0.9** |
| 271 | **0.9** |
| 272 | **0.9** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | **Concentration** |
| 273 | **3.1** |
| 274 | **3.0** |
| 275 | **3.0** |
| 276 | **3.0** |
| 277 | **3.0** |
| 278 | **3.0** |
| 279 | **3.0** |
| 280 | **3.0** |
| 281 | **3.0** |
| 282 | **2.9** |
| 283 | **2.9** |
| 284 | **2.9** |
| 285 | **2.9** |
| 286 | **2.9** |
| 287 | **2.9** |
| 288 | **2.9** |
| 289 | **2.9** |
| 290 | **2.9** |
| 291 | **2.8** |
| 292 | **2.8** |
| 293 | **2.8** |
| 294 | **2.7** |
| 295 | **2.7** |
| 296 | **2.6** |
| 297 | **2.6** |
| 298 | **2.6** |
| 299 | **2.6** |
| 300 | **2.5** |
| 301 | **2.5** |
| 302 | **2.5** |
| 303 | **2.5** |
| 304 | **2.5** |
| 305 | **2.5** |
| 306 | **2.4** |
| 307 | **2.4** |
| 308 | **2.4** |
| 309 | **2.4** |
| 310 | **2.4** |
| 311 | **2.4** |

| Thoroughbred | |
|---|---|
| | **Concentration** |
| 273 | **0.9** |
| 274 | **0.8** |
| 275 | **0.8** |
| 276 | **0.8** |
| 277 | **0.8** |
| 278 | **0.8** |
| 279 | **0.8** |
| 280 | **0.8** |
| 281 | **0.8** |
| 282 | **0.8** |
| 283 | **0.8** |
| 284 | **0.8** |
| 285 | **0.8** |
| 286 | **0.7** |
| 287 | **0.7** |
| 288 | **0.7** |
| 289 | **0.7** |
| 290 | **0.7** |
| 291 | **0.7** |
| 292 | **0.7** |
| 293 | **0.7** |
| 294 | **0.7** |
| 295 | **0.6** |
| 296 | **0.6** |
| 297 | **0.6** |
| 298 | **0.6** |
| 299 | **0.6** |
| 300 | **0.6** |
| 301 | **0.6** |
| 302 | **0.6** |
| 303 | **0.6** |
| 304 | **0.6** |
| 305 | **0.6** |
| 306 | **0.5** |
| 307 | **0.5** |
| 308 | **0.4** |
| 309 | **0.4** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | Concentration |
| 312 | **2.4** |
| 313 | **2.3** |
| 314 | **2.3** |
| 315 | **2.3** |
| 316 | **2.3** |
| 317 | **2.3** |
| 318 | **2.3** |
| 319 | **2.3** |
| 320 | **2.3** |
| 321 | **2.3** |
| 322 | **2.2** |
| 323 | **2.2** |
| 324 | **2.2** |
| 325 | **2.2** |
| 326 | **2.2** |
| 327 | **2.2** |
| 328 | **2.2** |
| 329 | **2.2** |
| 330 | **2.1** |
| 331 | **2.1** |
| 332 | **2.1** |
| 333 | **2.1** |
| 334 | **2.1** |
| 335 | **2.0** |
| 336 | **2.0** |
| 337 | **2.0** |
| 338 | **2.0** |
| 339 | **2.0** |
| 340 | **2.0** |
| 341 | **2.0** |
| 342 | **2.0** |
| 343 | **2.0** |
| 344 | **2.0** |
| 345 | **1.9** |
| 346 | **1.9** |
| 347 | **1.9** |
| 348 | **1.9** |
| 349 | **1.9** |
| 350 | **1.9** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | **Concentration** |
| 351 | **1.9** |
| 352 | **1.9** |
| 353 | **1.8** |
| 354 | **1.8** |
| 355 | **1.8** |
| 356 | **1.8** |
| 357 | **1.8** |
| 358 | **1.8** |
| 359 | **1.8** |
| 360 | **1.8** |
| 361 | **1.7** |
| 362 | **1.7** |
| 363 | **1.7** |
| 364 | **1.7** |
| 365 | **1.7** |
| 366 | **1.7** |
| 367 | **1.7** |
| 368 | **1.7** |
| 369 | **1.7** |
| 370 | **1.7** |
| 371 | **1.7** |
| 372 | **1.6** |
| 373 | **1.6** |
| 374 | **1.6** |
| 375 | **1.6** |
| 376 | **1.6** |
| 377 | **1.6** |
| 378 | **1.5** |
| 379 | **1.5** |
| 380 | **1.5** |
| 381 | **1.5** |
| 382 | **1.5** |
| 383 | **1.5** |
| 384 | **1.5** |
| 385 | **1.5** |
| 386 | **1.5** |
| 387 | **1.5** |
| 388 | **1.5** |
| 389 | **1.5** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | **Concentration** |
| 390 | **1.5** |
| 391 | **1.4** |
| 392 | **1.4** |
| 393 | **1.4** |
| 394 | **1.4** |
| 395 | **1.4** |
| 396 | **1.4** |
| 397 | **1.4** |
| 398 | **1.4** |
| 399 | **1.4** |
| 400 | **1.4** |
| 401 | **1.4** |
| 402 | **1.4** |
| 403 | **1.4** |
| 404 | **1.3** |
| 405 | **1.3** |
| 406 | **1.3** |
| 407 | **1.3** |
| 408 | **1.3** |
| 409 | **1.3** |
| 410 | **1.3** |
| 411 | **1.3** |
| 412 | **1.3** |
| 413 | **1.3** |
| 414 | **1.3** |
| 415 | **1.3** |
| 416 | **1.2** |
| 417 | **1.2** |
| 418 | **1.2** |
| 419 | **1.2** |
| 420 | **1.2** |
| 421 | **1.2** |
| 422 | **1.2** |
| 423 | **1.2** |
| 424 | **1.2** |
| 425 | **1.2** |
| 426 | **1.2** |
| 427 | **1.2** |
| 428 | **1.2** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | Concentration |
| 429 | **1.2** |
| 430 | **1.1** |
| 431 | **1.1** |
| 432 | **1.1** |
| 433 | **1.1** |
| 434 | **1.1** |
| 435 | **1.1** |
| 436 | **1.1** |
| 437 | **1.1** |
| 438 | **1.1** |
| 439 | **1.1** |
| 440 | **1.1** |
| 441 | **1.1** |
| 442 | **1.1** |
| 443 | **1.1** |
| 444 | **1.1** |
| 445 | **1.1** |
| 446 | **1.0** |
| 447 | **1.0** |
| 448 | **1.0** |
| 449 | **1.0** |
| 450 | **1.0** |
| 451 | **1.0** |
| 452 | **1.0** |
| 453 | **1.0** |
| 454 | **1.0** |
| 455 | **1.0** |
| 456 | **1.0** |
| 457 | **1.0** |
| 458 | **1.0** |
| 459 | **1.0** |
| 460 | **1.0** |
| 461 | **1.0** |
| 462 | **1.0** |
| 463 | **1.0** |
| 464 | **1.0** |
| 465 | **1.0** |
| 466 | **1.0** |
| 467 | **0.9** |

# *Indiana Horse Racing Commission*
# *2014 Cobalt Testing Results*

| Standardbred | |
|---|---|
| | **Concentration** |
| 468 | **0.9** |
| 469 | **0.9** |
| 470 | **0.9** |
| 471 | **0.9** |
| 472 | **0.9** |
| 473 | **0.9** |
| 474 | **0.9** |
| 475 | **0.9** |
| 476 | **0.9** |
| 477 | **0.9** |
| 478 | **0.9** |
| 479 | **0.9** |
| 480 | **0.9** |
| 481 | **0.9** |
| 482 | **0.8** |
| 483 | **0.8** |
| 484 | **0.8** |
| 485 | **0.8** |
| 486 | **0.8** |
| 487 | **0.8** |
| 488 | **0.8** |
| 489 | **0.7** |
| 490 | **0.7** |
| 491 | **0.7** |
| 492 | **0.7** |
| 493 | **0.7** |
| 494 | **0.7** |
| 495 | **0.7** |
| 496 | **0.7** |
| 497 | **0.7** |
| 498 | **0.7** |
| 499 | **0.6** |
| 500 | **0.6** |
| 501 | **0.6** |
| 502 | **0.6** |
| 503 | **0.6** |
| 504 | **0.6** |
| 505 | **0.4** |

**State of Indiana**
**Indiana Horse Racing Commission**

Michael R. Pence, Governor www.in.gov/hrc

# INDIANA HORSE RACING COMMISSION

## COBALT PENALTY POLICY

The stewards and judges will consider the specific level of cobalt in the horse should any horse test above 25 parts per billion (ppb), the threshold set in the new Commission rule, which will be effective September 30, 2014. Specifically, the trainer of any horse testing between 25-50 ppb will not be fined or suspended. However, such levels will still be considered a positive test, and the horse with the violation will be disqualified and the purse forfeited.

This policy shall be in effect for the 2014 race meets.

***September 19, 2014***