

**VIA E-MAIL AND REGULAR MAIL**

14 September 2009

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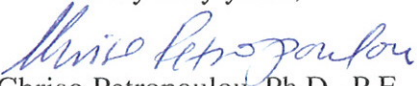
**Subject: TABLE 3-6 CORRECTION  
APRIL 2008 DRY AND WET WEATHER MICROBIAL RISK  
ASSESSMENT REPORT**

Dear Dr. Granato:

This letter is to document a correction for a typographical error on the second page of Table 3-6 of the subject report. The corrected Table 3-6 with the data correction investigation report is attached. Please note that this correction does not affect the quality of the microbial analytical results or the microbial risk assessment results presented in the subject report.

If you have any questions please call me at (312) 658-0500.

Very truly yours,

  
Chriso Petropoulou, Ph.D., P.E., BCEE  
Associate

Attachments

**DATA CORRECTION INVESTIGATION REPORT**  
**TABLE 3-6**  
**APRIL 2008 DRY AND WET WEATHER MICROBIAL RISK ASSESSMENT**  
**REPORT**

Investigation Leader: Mary DeFlaun, Ph.D.

Date Completed: 09/10/09

It was discovered in a review of records on 27 July 2009 that the data entry was incorrect for Virus Sample ID: Calumet-Outfall-82305, under the column entitled, "PCR Confirmation."

The raw data records in Appendix D-1 for Table 3-6 provided by the University of Arizona laboratory were checked and the documentation supporting corrections on records were reviewed and confirmed by the project QA/QC coordinator.

The correction is for Virus Sample ID: Calumet-Outfall-82305, under the column entitled, "PCR Confirmation," the text should read "pos" instead of "neg." This sample was correctly counted as a positive sample with an adenovirus concentration of 14.5 MPN/100L, as indicated in the last column of the table.

This record of correction indicates, by the individual's initials on the list below, that each of the project staff has been informed, does understand, and reports that the reporting was a typographical error.

Dr. Chriso Petropoulou: CP Initials  
Dr. Mary DeFlaun: MD Initials

Date: 09/10/09

Date: 09/10/09

**Table 3-6. Dry Weather Cell Culture Assay and Adenovirus Results**

| Virus Sample ID               | Total Culturable Virus  |                         | Total<br>MPN/100L | PCR<br>Confirmation | Adenovirus <sup>1</sup><br>MPN/100L |
|-------------------------------|-------------------------|-------------------------|-------------------|---------------------|-------------------------------------|
|                               | 1 <sup>st</sup> Passage | 2 <sup>nd</sup> Passage |                   |                     |                                     |
| Calumet-UPS-1meter-72605      | negative                | negative                | <1                |                     | neg                                 |
| Calumet-UPS-surface-72605     | negative                | negative                | <1                |                     | neg                                 |
| Calumet-DNS-1meter-72605      | negative                | positive                | 3.21              | neg                 | neg                                 |
| Calumet-DNS-surface-72605     | negative                | positive                | 1.09              | neg                 | neg                                 |
| Calumet-Outfall-72605         | negative                | positive                | 7.52              | pos                 | 7.52                                |
| North Side-UPS-1meter-72805   | negative                | negative                | <1                |                     | neg                                 |
| North Side-UPS-surface-72805  | negative                | negative                | <1                |                     | neg                                 |
| North Side-DNS-1meter-72805   | negative                | positive                | 13.9              | neg                 | neg                                 |
| North Side-DNS-surface-72805  | negative                | positive                | 18.4              | pos                 | 18.4                                |
| North Side-Outfall-72805      | positive                | positive                | 135               | pos                 | 135                                 |
| Stickney-UPS-1meter-80105     | negative                | positive                | 108               | neg                 | neg                                 |
| Stickney-UPS-surface-80105    | negative                | positive                | 117               | pos                 | 117                                 |
| Stickney-DNS-1meter-80105     | negative                | positive                | 112               | pos                 | 112                                 |
| Stickney-DNS-surface-80105    | negative                | positive                | 110               | pos                 | 110                                 |
| Stickney-Outfall-80105        | negative                | positive                | 7.99              | pos                 | 7.99                                |
| Calumet-UPS-1meter-80205      | negative                | positive                | 1.21              | neg                 | neg                                 |
| Calumet-UPS-surface-80205     | negative                | negative                | <1                |                     | neg                                 |
| Calumet-DNS-1meter-80205      | negative                | negative                | <1                |                     | neg                                 |
| Calumet-DNS-surface- 80205    | negative                | negative                | <1                |                     | neg                                 |
| Calumet-Outfall- 80205        | negative                | positive                | 12.6              |                     | neg                                 |
| Stickney-UPS- surface-80305   | negative                | positive                | 3.6               | neg                 | neg                                 |
| Stickney-UPS- 1meter-80305    | negative                | positive                | 11                | pos                 | 11                                  |
| Stickney-DNS- surface-80305   | negative                | positive                | 1.67              | pos                 | 1.67                                |
| Stickney-DNS- 1meter-80305    | negative                | positive                | 6.22              | pos                 | 6.22                                |
| Stickney-Outfall-80305        | negative                | positive                | 18                | pos                 | 18                                  |
| North Side-UPS-surface-80405  | negative                | negative                | <1                |                     | neg                                 |
| North Side-UPS- 1meter-80405  | negative                | negative                | <1                |                     | neg                                 |
| North Side-DNS- surface-80405 | positive                | positive                | 11.2              | pos                 | 11.2                                |
| North Side-DNS- 1meter-80405  | positive                | positive                | 9.84              | pos                 | 9.84                                |
| North Side-Outfall-80405      | positive                | positive                | 256               | pos                 | 256                                 |
| Calumet-UPS-surface-81605     | negative                | negative                | <1                |                     | neg                                 |
| Calumet-UPS-1meter-81605      | negative                | negative                | <1                |                     | neg                                 |
| Calumet-DNS-surface-81605     | negative                | negative                | <1                |                     | neg                                 |
| Calumet-DNS-1meter- 81605     | negative                | positive                | 1.31              | pos                 | 1.31                                |
| Calumet-Outfall- 81605        | negative                | positive                | 3.21              | neg                 | neg                                 |
| Stickney-UPS-surface-81705    | negative                | negative                | <1                |                     | neg                                 |
| Stickney-UPS-1meter-81705     | negative                | negative                | <1                |                     | neg                                 |
| Stickney-DNS-surface-81705    | negative                | positive                | 1.72              | pos                 | 1.72                                |
| Stickney-DNS-1meter- 81705    | negative                | negative                | <1                |                     | neg                                 |
| Stickney-Outfall- 81705       | negative                | negative                | <1                |                     | neg                                 |

**Table 3-6. Dry Weather Cell Culture Assay and Adenovirus Results-Continued**

| Virus Sample ID               | Total Culturable Virus        |                               | Total<br>MPN/100L | PCR<br>Confirmation | Adenovirus <sup>1</sup><br>MPN/100L |
|-------------------------------|-------------------------------|-------------------------------|-------------------|---------------------|-------------------------------------|
|                               | <i>1<sup>st</sup> Passage</i> | <i>2<sup>nd</sup> Passage</i> |                   |                     |                                     |
| North Side-UPS-surface-81805  | negative                      | negative                      | <1                |                     | neg                                 |
| North Side-UPS-1meter-81805   | negative                      | positive                      | 1.5               | pos                 | 1.5                                 |
| North Side-DNS-surface-81805  | negative                      | positive                      | 12.4              | pos                 | 12.4                                |
| North Side-DNS-1meter-81805   | negative                      | positive                      | 10.8              | pos                 | 10.8                                |
| North Side-Outfall- 81805     | negative                      | negative                      | <1                |                     | neg                                 |
| Calumet-UPS-surface-82305     | negative                      | negative                      | <1                |                     | neg                                 |
| Calumet-UPS-1meter-82305      | negative                      | negative                      | <1                |                     | neg                                 |
| Calumet-DNS-surface-82305     | negative                      | positive                      | 3.35              | pos                 | 3.35                                |
| Calumet-DNS-1meter- 82305     | negative                      | positive                      | 1.36              | neg                 | neg                                 |
| Calumet-Outfall- 82305        | negative                      | positive                      | 14.5              | pos                 | 14.5                                |
| Stickney-UPS-surface-82405    | negative                      | negative                      | <1                |                     | neg                                 |
| Stickney-UPS-1meter-82405     | negative                      | negative                      | <1                |                     | neg                                 |
| Stickney-DNS-surface-82405    | negative                      | positive                      | 7.4               | neg                 | neg                                 |
| Stickney-DNS-1meter- 82405    | positive                      | positive                      | 28.7              | pos                 | 28.7                                |
| Stickney-Outfall- 82405       | positive                      | positive                      | 36.9              | pos                 | 36.9                                |
| North Side-UPS-surface-82505  | negative                      | positive                      | 2.94              | pos                 | 2.94                                |
| North Side-UPS-1meter-82505   | negative                      | negative                      | <1                |                     | neg                                 |
| North Side-DNS-surface-82505  | negative/T <sup>2</sup>       | positive                      | 5.03              | pos                 | 5.03                                |
| North Side-DNS-1meter-82505   | positive                      | positive                      | 27.6              | pos                 | 27.6                                |
| North Side-Outfall- 82505     | negative                      | positive                      | 45.1              | pos                 | 45.1                                |
| Calumet-UPS-surface-83005     | negative                      | negative                      | <1                |                     | neg                                 |
| Calumet-UPS-1meter-83005      | negative                      | negative                      | <1                |                     | neg                                 |
| Calumet-DNS-surface-83005     | negative                      | positive                      | 6.24              | neg                 | neg                                 |
| Calumet-DNS-1meter- 83005     | negative                      | positive                      | 3.05              | pos                 | 3.05                                |
| Calumet-Outfall- 83005        | negative                      | positive                      | 15.5              | pos                 | 15.5                                |
| Stickney-UPS-surface-83105    | negative                      | negative                      | <1                |                     | neg                                 |
| Stickney-UPS-1meter-83105     | negative                      | negative                      | <1                |                     | neg                                 |
| Stickney-DNS-surface-83105    | negative                      | positive                      | 1.39              | pos                 | 1.39                                |
| Stickney-DNS-1meter- 83105    | negative                      | negative                      | <1                |                     | neg                                 |
| Stickney-Outfall- 83105       | negative                      | positive                      | 8.38              | pos                 | 8.38                                |
| North Side-UPS-1meter-90105   | negative                      | negative                      | <1                |                     | neg                                 |
| North Side-UPS-surface-90105  | negative                      | negative                      | <1                |                     | neg                                 |
| North Side-DNS-1meter-90105   | negative                      | negative                      | <1                |                     | neg                                 |
| North Side-DNS- surface-90105 | negative                      | negative                      | <1                |                     | neg                                 |
| North Side-Outfall- 90105     | negative                      | negative                      | <1                |                     | neg                                 |

Note:

1. Of 75 dry samples, 42 demonstrated the presence of detectable virus in the PCL/PRF/5 cell line. Adenoviruses we confirmed only in 31 of the 42 samples by PCR. Enteroviruses or other enteric viruses were probably responsible for the observed CPE in the other samples or the CPE of other viruses could have masked the presence of adenoviruses.
2. Sample concentrate toxic to cells; entire content of flask frozen and re-assayed. Toxicity was not the result of virus in the sample.
3. neg = negative  
Pos = positive