

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WASTE MANAGEMENT

DISCUSSION RECORD

DATE: May 23, 2008

BETWEEN: Donna Pallister, P.E., L.S.P.

OF: LFR

PHONE: 401-738-3887

AND: Kelly Owens, Associate Supervising Engineer
DEM-Office of Waste Management

SUBJECT: Indoor Air Monitoring at Springfield Street Schools

On or about May 23, 2008, I spoke with Donna Pallister of LFR (the City of Providence's environmental consultant for this project) concerning the monitoring of carbon dioxide levels in the indoor air at the elementary school and the middle school on Springfield Street in Providence. During the conversation, I requested that LFR continue to use an air monitoring unit for carbon dioxide that had a better resolution and lower detection limit than the Landtec Gem 2000 Plus, which they had been using prior to the February 2008 sampling round. During the February sampling round, LFR used a TSI Q-Trak Air Quality meter to measure carbon dioxide. The TSI Q-Trak provides a lower detection limit than the Landtec Gem 2000 Plus. The Q-Trak has a range of 0 to 5000 ppm with a resolution of 1 ppm as opposed to a resolution of 1000 ppm with the Landtec Gem 2000. Using the Q-Trak, no concentrations of carbon dioxide above the Action Level of 1000 ppm were found in the indoor air in the schools during the February sampling event.

Ms. Pallister indicated that the May quarterly sampling event had occurred on May 22, 2008, which was the day before this telephone conversation. LFR used a different meter, which is called the Fluke 975 Airmeter, to take the carbon dioxide measurements during the May sampling event. Although it was a different meter the Fluke 975 had a range of 0 to 5,000 ppm with a resolution of 1 ppm which was the same accuracy as the TSI Q-Trak. Again, as was the case in the February sampling event, no concentrations of carbon dioxide above the Action Level of 1000 ppm were found in the indoor air in the schools during the May sampling event. At the time of the call, Ms. Pallister believed that the City would continue to have LFR use the more sensitive indoor air quality meter.