



Transmitted via email

July 9, 2012

Mr. James Moore, P.E.
Illinois Environmental Protection Agency
Bureau of Land
1021 North Grand Avenue East
Springfield, IL 62794

**Subject: Roxana School District Sampling Program
1191150002 – Madison County
Equilon Enterprises
Roxana, Illinois**

Dear Jim:

The Roxana School District, in conjunction with the Illinois Environmental Protection Agency (IEPA), has requested that Shell Oil Products US (SOPUS) conduct air sampling in the following schools:

- Junior and Senior High School, located at 401 N. Chaffer Ave. in Roxana.
- Central Elementary, located at 601 North Chaffer Ave. in Roxana
- South Roxana Elementary, located at 414 Indiana Ave. in South Roxana

The sampling will be conducted in general accordance with the June 2012 *Sampling Plan for Roxana Community Unit School District No. 1*, prepared for the school district by Aires Consulting Group (hereafter referred to as the Sampling Plan), as well as relevant procedures SOPUS used (and IEPA approved) for the August 2011 sampling in the Junior and Senior High School and the residential sampling in Roxana. The purpose of this letter is to provide modifications and/or additional information for the planned sampling.

The following planning and logistical work is planned for the week of July 9, 2012:

- Establish an access agreement with the school district for this scope of work.
- Tour the schools with District and other representatives to identify the planned sample collection locations. We will conduct field screening¹ at this time to gather “baseline” information. Personnel will not physically enter crawl space areas or confined spaces. We will also make note of any potential volatile organic compound (VOC) producing activities and inventory products in the buildings that could affect sample results.
- We will ask that the District stop any VOC-producing activities (5 days prior to sampling, per the Sampling Plan).
- We will ask that the District begin operating the building heating, ventilation, and air conditioning (HVAC) systems in “normal occupied mode” (per the Sampling Plan).

¹ Field screening for organic vapors will be conducted using the hand held instruments used for the residential sampling.



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We plan to conduct two sampling events (recommended by the Sampling Plan). The first sampling event will occur on Tuesday July 17, 2012 as this date coincides with the ambient air sampling event that Phillips 66 (P66) is conducting. The P66 ambient sample data will be used for the "ambient outside air" samples outlined in the Sampling Plan. To the extent possible, the canister sampling process will be conducted concurrently at the three schools. We anticipate beginning sampling approximately 8:00 am and finishing approximately 3:00 pm. During this time, we will also conduct indoor field screening. Upon completion of sampling, the canisters will be checked for quality assurance and packaged for shipment under chain of custody procedures. We will collect one duplicate sample for each of the two elementary schools and two duplicates for the junior/senior high school.

The air samples will be sent via Fedex for overnight delivery to Eurofins Air Toxics, Inc. of Folsom, CA, for consistency with the residential sampling and the prior school sampling. The samples will be analyzed for the TO-15 Method analytes listed in Appendix II of the Sampling Plan. The following illustrates analytical differences between the Sampling Plan and the residential sampling program.

- The analyte list included in the Sampling Plan contains an additional 52 constituents beyond those included in the residential sampling analytical program.
- N-propylbenzene, isopentane, butane, 2,2,4-trimethylpentane, and total petroleum hydrocarbons (TPH) will be added, as these constituents are currently being analyzed and reported for the residential sampling program.
- The minimum reporting limits included in the Sampling Plan are in some cases lower than those being reported by Air Toxics. We will coordinate to be consistent with P66 reporting limits.

Based on the current schedule, the samples are expected to arrive at the laboratory on/about July 19th; results are expected to be available on/about August 3rd.

The second sampling event is planned to occur on July 24, 2012. This is 7 days from the first event, consistent with the Sampling Plan, and occurs during P66's planned ambient air sampling event. The IEPA waived the recommendation in the Sampling Plan that the two sampling events be conducted during high and low barometric conditions. Based on a similar sequence, results for the second event should be available on/about August 10th.

If you have any questions or require additional information, please contact Kevin Dyer, Shell project manager, at kevin.dyer@shell.com (618/288-7237), or Bob Billman at bob.billman@urs.com (314/743-4108).

Sincerely,
URS Corporation, on behalf of SOPUS

Robert B. Billman, PG
Senior Project Manager

Cc: Kevin Dyer, Shell
Debra Kreutztrager, School District Superintendent
Project file