

September 26, 2006

Mr. Kevin Doyle City of Lawrence P.O. Box 708 Lawrence, KS 66044-0708

## Re: Request for Modification of TUPR-06-19-06 Presto #25, Lawrence KDHE Project Code: U4-023-13799 Aquaterra Project 2003.10

Dear Mr. Doyle:

On behalf of the Kansas Department of Health and Environment (KDHE), Aquaterra Environmental Solutions, Inc. (Aquaterra) is providing the City of Lawrence a revised site plan modifying the location of the temporary above ground storage tank (AST) proposed for the groundwater remediation project at 838 Louisiana. The purpose of the AST is to store gasoline being recovered by the remediation system.

Per our conversation, the AST will be located on the west side of the existing building to facilitate connecting the AST to the output of the oil/water separator. This location was selected to keep the AST as far from the nearby residence as possible while still allowing the gasoline to flow by gravity into the AST. After installation of the AST, a float switch will be installed on the top of the AST. The float switch is continuously monitored by an electronic monitoring system that notifies Aquaterra's office and the engineer's cell phone that the product level in the AST is nearing the AST capacity. The system controls are programmed to shut down the remediation system if the product level in the AST reduces the available storage volume to approximately 50 gallons. In this manner, the AST in protected from accidental overfilling.

Aquaterra will have an engineer on site twice a week to monitor the product level in the AST. On each visit, the volume of gasoline in the AST will be calculated using the chart supplied with the AST. Based on the level measurements, the product generation rate will be calculated and the expected time that the AST volume reaches 90% of the available capacity will be calculated. Aquaterra expects that the AST will be emptied at approximately 25 to 30 day intervals. When the available volume is within 7 days of being full, the waste handler will be contacted to remove the gasoline.

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KDHE and Aquaterra are attempting to recover the gasoline from under this neighborhood as quickly as possible. To achieve that goal, the AST will allow us to more efficiently operate the system by being able to effectively and safely store the recovered gasoline. With the AST, the system will operate continuously, thereby accelerating the recovery the gasoline and reducing the time needed to complete the recovery process. If you have any additional questions or need any further information, please do not hesitate to contact our office at (913) 681-0030 or Mr. Bill Reetz of KDHE at (785) 291-3103.

Sincerely,

Aquaterra Environmental Solutions, Inc.

Patrick M. Goeke, P.E. Senior Project Manager

Attachments: Revised Site Diagram

Cc: Bill Reetz, KDHE



