

STAMINA MILLS

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BW

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FIELD MEMO
FM-02

To: Neil Handler (USEPA)
From: Darryl Lee DL
Subject: Stamina Construction Schedule
CC: Greg Mackin (Collins & Aikman)
Craig Lizotte (Envirogen)
Mike Powers (Envirogen)
Date: April 12, 2000

Neil:

The following field memo summarizes the filter bag issues at the Stamina Mills Superfund Site.

During normal system operation, iron and residual silts are removed from extracted groundwater through a primary filter bag. When the differential pressure rises above a set point in the primary filter bag housing, motorized solenoid valves close at the primary filter, and open at a secondary filter. This allows the system to continuously run when the primary filter becomes clogged. However, a differential pressure reading above the set point in the secondary filter would result in a system shutdown.

Previously, the system would routinely shut down due to differential pressure alarms in both the primary and secondary filter. To alleviate this problem for future operation, all groundwater extraction wells (pumping wells and multi-phase extraction wells) will be redeveloped prior to system modification re-start. This should eliminate a large portion of the fine, silty material across the well screens and prevent frequent filter clogging. In addition, the filter bag mesh size may be increased, and the differential pressure alarm set point may be adjusted, to allow longer, more efficient run times of the system.

These adjustments will occur during the system modification construction, scheduled to take place over the next few months.

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