Sarah,

This email serves as follow-up to my phone call with you last Friday Dec 3, 2021 when I reported a spill of water from the Units 1&2 Pipeline Drain Pond.

About 0930 on December 3, we identified a spill of water from the Units 1&2 Pipeline Drain Pond. The Pipeline Drain Pond had accumulated water from a drain on the pipeline as it was in service to remove water from B Cell at the 1&2 Stage Two Evaporation Pond (STEP). The water in the STEP B Cell is a combination of captured groundwater and decant water. We were in the process of removing the water from B Cell in anticipation of upcoming closure activities. The drain valve on the pipeline had been opened in preparation for winter layup. The pipeline was placed into service not recognizing the drain valve was open. This resulted in the Pipeline Drain Pond to fill up and overflow. The Pipeline Drain Pond is a HDPE lined pond that holds approximately 1 million gallons. The pipeline was shut down upon discovery of this situation, the drain valve closed, and cleanup of spilled water was initiated. Berms/sandbags were placed in the area where the Pipeline Drain Pond was overflowing to contain the spill as soon as possible.

Attachment 1 Site Map, shows an aerial view of the location of the spill and the extent of spill with respect to Armells Creek. The extent of the spill is shown in yellow. No water from this spill reached Armells Creek. Visual observations/monitoring of the extent of the spill and Armells Creek were conducted daily during the cleanup to verify this figure. Pictures of this event will be ftp’d to you separately because of their size (73mb).

Cleanup of the spill began immediately with a crew of 25 people, 4 vac trucks, collection pumps, 3 water trucks, a loader, a blade, and other miscellaneous equipment. The cleanup activity continued until dark, then resumed again at daylight on Saturday December 4 with 20 people and similar equipment. Work continued Saturday until dark then resumed again at daylight on Sunday December 5 with 20 people and equipment finishing cleanup activities. By Sunday December 5th, all surface water from the spill had been collected and sent to the 1&2 STEP B Cell or the 1&2 B Pond. Both of these locations are double-lined ponds. Approximately 175,000 gallons of water from the spill was collected and returned to lined ponds. A sample of the water in the Pipeline Drain Pond was collected and sent to Energy Labs for analysis. Field pH of the sample was 4.4 and Field SC was 36,591 umhos/cm. Full analysis results will be sent to you as soon as they are received.

The prompt cleanup action taken should help minimize seepage that could occur from the spill. Six monitoring wells in the area (see Attachment 1 Site Map) will be observed to determine if groundwater is impacted from this event. These are wells 917A, SP 3, SP N, P12, SP S, and P11.

An investigation into this event is currently underway and corrective actions will be identified and implemented to prevent this from occurring in the future. We will share those corrective actions with you once the investigation is completed.

Please don’t hesitate to contact me if you have any questions.

Thanks,

Gordon Criswell
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Sarah,

In addition to the information below, we also collected an upgradient and downgradient sample of Armells Creek (upgradient at AR-1NF and downgradient at AR-B) and will analyze for our normal analysis list which will include the COIs/COCs as identified in the 1&2 SOEP/STEP Revised Cleanup Criteria and Risk Assessment Report. See the attachment, Site Map 12-9-21, which shows these sample locations. We will share these results as soon as we get them. Let me know if you have any questions.

Thanks,

Gordon

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