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KAFB BFFS
ST-106/SS-111
Groundwater

Andress, Lane, NMENV

From: WORTMAN, RYAN J GS-13 USAF AFCEC AFCEC/CZO <ryan.wortman.3@us.af.mil>
Sent: Tuesday, March 15, 2022 1:25 PM
To: Shean, Rick, NMENV; Andress, Lane, NMENV
Cc: SEGURA, CHRISTOPHER G GS-14 USAF AFCEC/CZO; Catechis, Chris, NMENV
Subject: [EXTERNAL] April Public Meeting and Static Water Level Gauging Activities at the Bulk Fuels Facility Restoration Site, Kirtland AFB

Good afternoon,

The Air Force would like to invite the New Mexico Environmental Department Hazardous Waste Bureau (NMED HWB) to present at the April 21st 2022 public meeting regarding the Bulk Fuels Facility Environmental Restoration Site. This event will be held virtually using the Zoom for government online platform from 6pm to 8pm with a technical check starting at 5pm. NMED HWB is welcome to discuss the overall project status from a regulatory perspective. The Air Force is planning to cover an update to the groundwater contaminant plumes, operation of the groundwater treatment system, completed pilot tests, recently completed field work, and future planned activates. If NMED HWB would like to present, I am currently trying to set up a dry run on April 19th or 20th and would appreciate input on your availability these days.

In addition this email is intended to notify the NMED HWB of planned static water level gauging activities for the Groundwater Treatment System (GWTS) at Kirtland AFB Solid Waste Management Units ST-106 & SS-111. All permit requirements will be maintained during these activities as the GWTS will remain operational. However, periodic downtime of one to two extraction wells is planned in order to provide static water level gauging data necessary for a more accurate assessment of capture zones, wells screen saturation, and extraction well performance metrics. Data will be collected quarterly to provide seasonal and long-term information for the site, as well.

Quarterly static water level gauging events will take place in December prior to Q1, March prior to Q2, June prior to Q3, and September prior to Q4. For each quarterly static water level gauging event the following shutdowns will take place:

- First, extraction well KAFB-106234 off for approximately 48 hours (with other three wells in operation) to allow for gauging in the northern interim measures operational area (IMOA).
- Next, extraction wells KAFB-106233 and KAFB-106228 off for approximately 48 yours (with other two wells in operation) to allow for gauging in the central portion of the IMOA.
- Lastly, extraction well KAFB-106239 off for approximately 48 hours (with other three wells in operation) to allow for gauging in the southern IMOA and on-Base wells.

The groundwater treatment system would be kept operational at a reduced flow rate while each of these wells are recovering to static. The depth to groundwater would be gauged at the end of the rebound period and then the extraction well would be turned back on. The first time this will be performed is in April of 2022 and then will be performed, as indicated on the schedule above, as long as the GWTS is operating under the current conditions. This procedure will be described in the next update to the Operations and Management (O&M) Plan for the GWTS and results of the static water level gauging will be reported in the subsequent quarterly monitoring event. Please let me know if you have any question about the activities described in this email.

Thanks,

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