ROCKY FLATS SITE
REGULATORY CONTACT RECORD

Purpose: Management of Intercepted Groundwater During SPPTS Repair or Maintenance Activities

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Contact Record Approval Date: July 3, 2008

Site Contact(s) / Affiliation(s): Scott Surovchak; DOE; John Boylan, S.M. Stoller; Rick DiSalvo, S.M. Stoller

Regulatory Contact(s) / Affiliation(s):
Carl Spreng / CDPHE

Discussion:
The Solar Ponds Plume Treatment System (SPPTS) includes a groundwater intercept trench from which groundwater is pumped into cells for treatment. The Interceptor Trench System (ITS) is present in the subsurface generally southwest, south, and southeast of the SPPTS groundwater intercept trench. During periods in which the SPPTS is serviced (e.g., media replacement) or modified (as planned in late 2008), intercepted groundwater may need to be otherwise controlled. Previously, groundwater has been allowed to accumulate within the trench in such times. However, there may be instances in which an alternative method of controlling the water is needed, for example if groundwater levels are high or need to be kept lower in the trench.

DOE, CDPHE and S.M. Stoller staff consulted regarding this intercepted water management approach at a meeting on May 6, 2008.

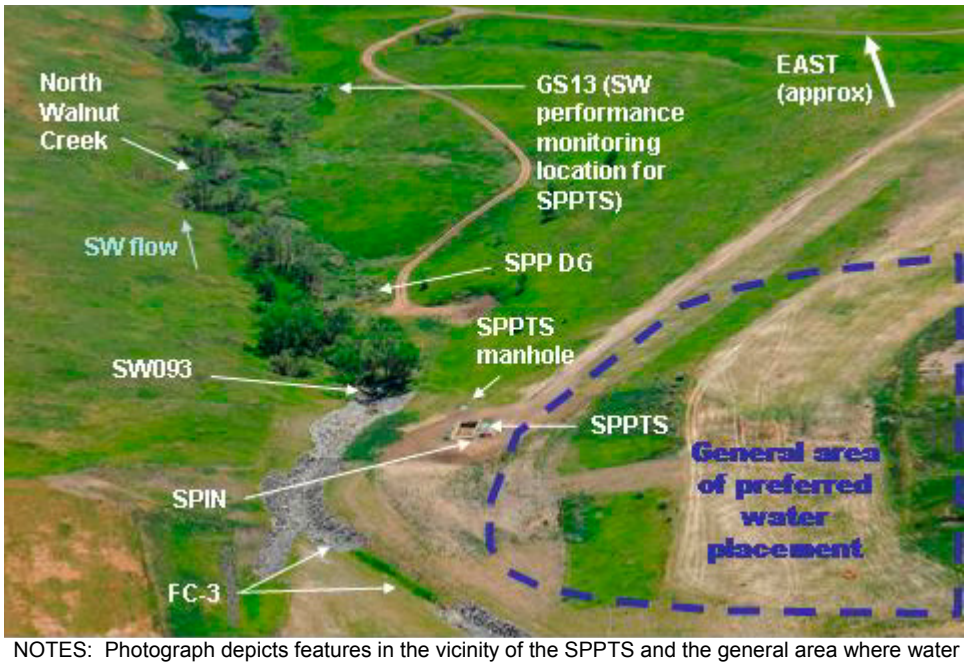
Resolution:
As necessary to support SPPTS maintenance and repair activities, groundwater that is intercepted by the SPPTS intercept trench may be pumped to the ground surface in the area generally southwest and south of the treatment cells, including on the hillside as long as appropriate erosion controls are maintained and the water does not enter North Walnut Creek. Erosion controls will be employed in accordance with the *Erosion Control Plan for Rocky Flats Property Central Operable Unit, DOE-LM/1497-2007,* July 2007. Flow rates will be carefully controlled to minimize muddy conditions, and runoff of the water pumped to the ground surface shall not be allowed to reach FC-4/North Walnut Creek. The attached figure illustrates the general area suggested for placement of this water.

Close Out of Contact Record: This Contact Record will be closed out when DOE or CDPHE notify the other party that the intercepted water management approach described in this Contact Record is no longer necessary or is no longer approved.

Contact Record Prepared by: **John Boylan**

Distribution:
Carl Spreng, CDPHE
RFLMA Contact Record 2008-06

Scott Surovchak, DOE
Linda Kaiser, Stoller
Rocky Flats Contact Record
File



NOTES: Photograph depicts features in the vicinity of the SPPTS and the general area where water will be placed. See text for discussion. SW = surface water; FC = Functional Channel; SPP DG = discharge gallery.