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ENVIRONMENTAL DETERMINATION FORM 77B
COMPLETED BY O&M ENVIRONMENTAL ASSESSMENT BRANCH

TO Alexander Tasoff *Environmental Scientist* FROM Ky Dupuis *Project Geologist* DIVISION & OFFICE Division of Regional Assistance North Central Region Office	CLEARANCE BEGIN DATE May 1st, 2026 CLEARANCE END DATE December 31st, 2026 PROJECT TITLE Tracy Subbasin TSS MW-102 Well Installation
LOCATION Private Property CITY/ COUNTY Tracy, California San Joaquin County	COORDINATES 37°40'32.5"N 121°17'33.8"W CROSS STREETS N/A

DESCRIPTION OF WORK

North Central Region Office's Geology and Groundwater Investigations' (GGI) Professional Geologist (PG) or Geologist-In-Training (GIT) will oversee a contractor in the installation of a single-completion groundwater monitoring well. The well will be 8-inches diameter with one 2-inch diameter Sch 40 PVC well casing and a 4 foot by 4 foot completion footprint. The well will contribute information through groundwater monitoring for the Tracy Subbasin GSA to meet the objectives of the Sustainable Groundwater Management Act (SGMA).

Work crews will mobilize to the work site with all the equipment necessary to construct the project improvements. Utilizing a contractor, well installation activities are as follows:

1. The monitoring well will be drilled with a hollow-stem auger rig (Drill Rig). The PG will review the lithologic and geophysical logs (if surveyed) alongside each other and select the final well screen interval according to hydro-stratigraphic interpretation. The Drill Rig will be used for the following:
    a. Drill 8-inch diameter boring
    b. Collect drill cutting samples every 5 feet.
    c. Install one 2-inch diameter, monitoring well casing in the boring.
    d. Drill cuttings will be stored in drums and hauled off site, or, with approval from DISE and the property owner, cuttings may be spread on site.
2. Based on the well screen depth interval selected, the following well construction activities will occur:
    a. Assemble and install flush-threaded 2-inch SCH 40 PVC well casing with mill-slotted screen at the selected interval (approx. 25 feet to 60 feet).
    b. Install annulus material (filter pack sand, transition sand, bentonite, etc.) using tremie pipe and pump, as necessary.

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c. Use tremie pipe to install a neat cement sanitary seal to a minimum depth of 20 feet below ground surface.
d. Wells will be finished with an above ground steel pipe with a locking, hinged lid, a 4 foot by 4 foot concrete apron, and steel traffic bollards.

3. Well development will occur no sooner than 48 hours after the well surface seal has been completed and 24 hours after the surface completion is installed:

   a. Well development will be accomplished by a combination of surging, bailing to remove sediment, and purging with a submersible or air lift pump.
   b. Well development will be performed until there is good hydraulic connection between the formation and the well screen, or for a maximum of 4 hours if turbidity reduction is not easily achieved.
   c. Water from pumping near waterways will be contained and hauled off site.

4. Work crews will efficiently demobilize all equipment used to construct the project improvements, clean up all work-related waste and unused materials, and return work areas to their original condition.

Equipment for the project includes a hollow stem auger drill rig, portable toilet, well development truck, air compressor, trailer with needed tools and water holding capabilities, two contractor staff vehicles, and one DWR staff truck.

The proposed project is expected to take a minimum of 3 days and up to 1 week. The project is to be located on private property and DWR will negotiate an automatically renewing land use agreement for the well site granting the DWR, the GSA, and their respective contractors all necessary access to the property to construct, operate, and maintain groundwater monitoring equipment.

RESTRICTIONS ON WORK

Refer to attached Form 77B environmental commitment matrix.

PERMITS REQUIRED

No permits are required for this project.

ISSUED BY	DATE	TELEPHONE NUMBER
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