

DUTY STATEMENT

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Employee Name: Vacant	Current Date: November 5, 2023
Classification: Engineering Geologist	Position #: 673-450-3756-947
Division/Office: Industrial Strategies Division/Carbon Management Branch	CBID: R09
Section: Strategies Development Section	
Supervisor Name: Vacant	Supervisor Classification: Air Resources Supervisor I

I certify that this duty statement represents an accurate description of the essential functions of this position.	
Supervisor:	Date:

I have read this duty statement and agree that it represents the duties I am assigned.	
Employee:	Date:

SPECIAL REQUIREMENTS OF POSITION (IF ANY):

- Designated under Conflict of Interest Code.
- Duties performed may require pre-employment physical.
- Duties performed may require drug testing.
- Duties require participation in the DMV Pull Notice Program.
- Requires the utilization of a 32-pound self-contained breathing apparatus.
- Operates heavy motorized vehicles.
- Requires repetitive movement of heavy objects.
- Works at elevated heights or near fast moving machinery or traffic.
- Performs other duties requiring high physical demand. (Explain below):
- Duties require use of hearing protection and annual hearing examinations.

SUPERVISION EXERCISED

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Lead Person
<input type="checkbox"/> Supervisor	<input type="checkbox"/> Team Leader

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FOR SUPERVISORY POSITIONS ONLY: Indicate the number of positions by classification that this position DIRECTLY supervises: N/A

Total number of positions in Section/Branch/Office for which this position is responsible: N/A

FOR LEADPERSONS OR TEAM LEADERS ONLY:

Indicate the number of positions by classification that this position LEADS: N/A

MISSION OF SECTION:

The Strategies Assessment Section (SAS) supports the deployment of Carbon Capture, Utilization, and Storage (CCUS) and Carbon Dioxide Removal (CDR) approaches needed for California to achieve carbon neutrality by 2045 and in support of national and international efforts to advance CCUS and CDR. As part of this mission, the SAS is responsible for evaluating the efficacy, safety, and viability of CCUS approaches as well as engineered CDR approaches and for developing and/or updating protocols for CCUS and CDR deployment. The section will also develop and implement a permit data portal for CCUS and CDR project applications submitted under California Air Resources Board (CARB)-adopted protocols. This section will be responsible for developing regulatory proposals that support the deployment of CCUS and CDR approaches to meet California's carbon neutrality objectives.

CONCEPT OF POSITION:

Under direction of an Air Resources Supervisor I, the Engineering Geologist (EG) is to use geological and scientific knowledge and skills to support development of complex and highly technical programs and regulations. The EG is responsible for evaluating geological aspects of the development of regulations to reduce greenhouse gas (GHG) emissions, and for providing geological analysis of effects of programs and regulations that have an impact on the makeup and use of CCUS and CDR. The EG is part of a team of multidisciplinary staff; collaborating closely with federal, state and local agencies; developing policies in collaboration with CARB management and stakeholders; and providing geological and environmental analysis to fulfill the goals of multiple programs. The EG coordinates with program staff and develops expertise in climate regulations and programs, including the Carbon Capture and Storage (CCS) Protocol, Cap and Trade and Low Carbon Fuel Standard programs, 45Q tax credits and other federal incentives, CO₂ pipeline safety standards and regulations, and others. The EG works with various CARB divisions, CalEPA and other State agencies, and external organizations in the process of conducting geological and technical analysis and developing complex programs and regulations to support CARB's clean air and climate goals. Occasional travel, field and site visits.

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<u>% OF TIME</u>	<u>RESPONSIBILITIES OF POSITION</u>
25% - E	Uses geological, regulatory, and policy knowledge and skills to develop and propose regulations and other policies to the first-level supervisor for CCUS and CDR deployment. Plans and organizes new contracts to develop data to support economic, air quality, health, safety and other evaluations on various CCUS and CDR policy and regulatory approaches and oversees contract(s) as necessary. Writes and completes clear and accurate technical reports and documentation related to geological and other evaluations. Conducts surveys, develops presentations, fact sheets, and other public educational materials related to well integrity and subsurface evaluation.
15% - E	Collects data required by State, Federal, and local agencies for CCUS and CDR permitting and supports the development of a unified permit portal at CARB. Develops reports and other materials on the status of CCUS and CDR permitting and projects.
15% - E	Using geological and scientific knowledge and skills, performs analyses and evaluation of existing and emerging CCUS and CDR technologies/approaches. Uses geological and scientific knowledge and skills in evaluating data sources, literature, and other resources to evaluate the greenhouse gas and air pollution reductions potential CCUS, CDR, and other emerging carbon management technologies. Determines the geologic impacts and suitability of technologies/approaches.
15% - E	Supports the Branch and Division in evaluating CCUS and CDR project applications submitted under CARB-adopted protocol(s). Writes and completes clear and accurate technical reports and documentation related to project review.
15% - E	Coordinates and participates in meetings, workshops and telephone conferences with other governmental agencies, industry representatives, environmental groups and other interested parties related to the reduction of GHGs and the deployment of CCUS and CDR approaches.
15% - M	Reviews correspondence, technical reports, and other documentation in support of the tasks described above. Communicates with stakeholders, answer general inquiries, provides assistance to other sections, branches, or divisions. Performs other administrative and personnel tasks as required within the scope of the classification.