



**MILE HIGH FLOOD DISTRICT**

12575 W. Bayaud Avenue, Lakewood, CO 80211

303-455-6277, [www.mhfd.org](http://www.mhfd.org)

An Equal Opportunity Employer

*Protecting people, property, and our environment through preservation, mitigation, and education.*

## **HYDRAULIC MODELER**

### ***Description:***

This is a full-time, exempt position as a Hydraulic Modeler for the Mile High Flood District (MHFD). This position would provide a variety of technical functions associated with hydraulic modeling and floodplain mapping, including support to the FEMA LOMR Review Partners Program and various Floodplain Management related tasks. The Hydraulic Modeler position plays a critical role in maintaining consistency in MHFD floodplain mapping products and would collaborate with other MHFD support staff on developing products used for floodplain management.

### ***Duties and Responsibilities:***

- Provides technical review of supporting documentation (hydrological application, hydraulic analysis, reports, plans, mapping, profiles, and other products) for Flood Hazard Area Delineation (FHAD) studies
- Provides technical review of supporting documentation for Physical Map Revisions and coordinates with FEMA contractor
- Provides technical support and coordinates with CLOMR/LOMR requesters and MHFD contractors under FEMA's LOMR Review Partners Program
- Assists with FEMA LOMR Review Partners grant management, including case tracking, grant reporting, and overseeing file management
- Coordinates with MHFD Managers and Engineers to ensure consistency of reviews for high-quality floodplain products
- Provides training and mentorship for engineers in hydraulic modeling and floodplain mapping technology
- Assists staff in project-related technical modeling needs
- Assists with the review and update of FEMA's Guidance & Standards, development of FHAD guidelines and outreach to consultants
- Assists in special projects and educational outreach efforts that support MHFD's mission/vision and core values
- Supports the Floodplain Management Team with various floodplain management duties

### ***Minimum Qualifications:***

- Bachelor's Degree in Civil Engineering or other relevant branch of engineering
- Five (5) years' experience of hydraulic modeling in which at least two of those years were in an unsupervised or technical lead position
- Colorado-licensed Professional Engineer

### ***Key Competencies:***

- Extensive knowledge of hydrology, hydraulics, drainage, and floodplain management concepts
- Working knowledge of the technical and practical aspects of regulatory requirements associated with floodplain management

- Demonstrated ability to apply such knowledge and concepts to specific problems
- Ability to work effectively and cooperatively with other members of the staff and consulting engineers
- Excellent oral and written communication skills
- Demonstrated interest and ability in maintaining technical proficiency and interpersonal skills development

***Availability and Salary:***

- Immediate Opening
- Starting compensation range: \$85,000 - \$105,000 (Compensation will commensurate with experience)
- Application Closing Date: Until Filled

***Contact:***

Send cover letter and résumé to Amelia Deleon, Human Resources Director, [adeleon@mhfd.org](mailto:adeleon@mhfd.org)

Last revised: March 2023