



Magnolia Fire Department

MEMORANDUM

No. 2025-08

Date: 8/15/2025

To: Emergency Operations Personnel

INFORMATIONAL

From: Fire Chief

Subject: Engineer Operator Promotional Testing

Promotional Opportunity:

Magnolia Fire Department is seeking qualified candidates for the position of Engineer Operator. An eligibility list will be created, and will continue for twenty-four months, from the date the list is published.

Application Deadline:

Notification of participation a formal letter of intent to test shall be submitted via email to Assistant Chief of Operations by 17:00 hrs. on September 15, 2025.

Minimum Requirements:

2 years of FT service by November 12, 2025.

The candidate must possess TCFP Driver/Operator-Pumper Certification by written examination test date.

The candidate must possess TCFP Driver/Operator-Aerial Certification by written examination test date.

The candidate must possess Advance Law Enforcement Rapid Response Training (ALERT) Active Attack Integrated Response (AAIR) course completion certificate by the written examination test date.

The candidate must be twenty-one (21) years of age on or before November 12, 2025, and possess a valid Class B or greater Texas Driver's License, permit unacceptable.

Selection/List Process:

Candidates are ranked by points, highest to lowest in numerical scores.

Written Examination Score + Practical Exercise Score = Base Score.

The candidate must pass the written exam with a score of seventy percent (70%) or greater to move on to Practical Exercise.

Seniority points will be added to Base Score equaling Final Score

Seniority points are calculated by the full-time hire date to written test date. The total number of days employees have full-time will be divided by 728 = .5 per year.

60% Weight – 100 Maximum number of points possible on written exam. 70 Percent passing score.

40% Weight – Practical skills.

The results and promotional list will be released once it is tabulated, reviewed and verified.

Test Dates:

Written Examination

Wednesday: November 12, 2025, at 09:00 AM

Practical Examination

Tentatively November 13th - 14th, 2025

Testing Location: Station 181 on respective dates.

Test Components:

Written Exam – 100 questions from the listed study material.

Practical Exercise – Driving / Operating Apparatus.

Study Material:

Fire Engineering Book (Suburban Fire Tactics) Authored by Jim Silvernail

ISBN: 1593702949 Omit Chapter 6 Special Considerations: Suburban Water Supply

Fire Engineering Book (Drive To Survive) Authored by Chris Daily

ISBN: 1593704836 Omit Chapters 14/15/16/24/25 and all Case Studies

Fire Engineering Book (Water Thievery *The art of water supply operations*) Authored by Andy Soccodato

ISBN: 1593705948

Departmental standard operating policies, guidelines, procedures and handbooks.

G-OPS-01 Incident Command Guideline: Revised 04/06/2023

G-OPS-09 Natural Gas Emergencies Revised: 06/30/2025

G-OPS-14 Hurricane Natural Disaster Revised: 06/18/2024

G-OPS-16 Structural Firefighting Revised: 4/07/25

G-SAF-03 Wellness and Fitness: Revised 07/28/2022

MCFCA MAYDAY: Revised 05/26/2022

MCMCI Mass Casualty Incident: Revised 04/2024

MCSTRP Special Threat Response Plan: Revised 07/2018

Practical Exercise:

Texas Commission on Fire Protection Driver/Operator Skills Manual v.01/01/2020

TCFP Skill # 4 Backing from a roadway into restricted spaces.

TCFP Skill # 6 Turning vehicle 180 degrees within confined space

TCFP Skill # 7 Driving vehicle through area with restricted horizontal and vertical clearances

MCESD # 10 Magnolia Fire Department Performance Standards v. 2025

MFD v. 2025-1 Performance Standard 3-1 Pumping Attack Lines

MFD v. 2025-1 Performance Standard 3-5 Drafting

MFD v. 2025-1 Performance Standard 3-7 Pumper Hook Up (In Relay)