

# Fort Polk MWD

## Fire and Life Safety Supplemental Pricing Information

### General

This is a design/build project in the proposal stage. It shall be incumbent on the contractor to provide all items necessary to provide a complete operating system. This narrative is to convey anticipated scope of work and design strategy from the engineers of record. This narrative is subject to change based on responses to bid requests for information (RFI) and amendments. The contractor must fully review the request for proposal (RFP), and all amendments and provide quotations for systems which meet the requirements of the RFP. This information contained herein is subject to change based on amendments issued. This document may not be updated after each amendment.

### General Fire and Life Safety

Its important to note that **NFPA 150 (Fire and Life Safety in Animal Housing Facilities)** applies to this project. The RFP is unclear on the category and class from NFPA 150. The facility looks most like a Category 6 Class A facility. This drives requirements from NFPA 150.

There is a bid option for an exam room. We do not believe this would push it into an Animal Health Care Facility (Class 1 under NFPA 150).

The RFP does not address the NFPA 150 Category and Class.

### Fire Ratings

Animal housing facilities shall be separated with a 2-hour fire-resistance-rated enclosure from hazardous areas, including, but not limited to, the following:

- (1) Feed rooms over 100 ft<sup>2</sup> (9.3 m<sup>2</sup>)
- (2) Tack rooms over 100 ft<sup>2</sup> (9.3 m<sup>2</sup>)
- (3) Vehicle or equipment storage rooms over 100 ft<sup>2</sup> (9.3 m<sup>2</sup>)
- (4) Blacksmith shops using open flames
- (5) Kitchens with commercial cooking equipment
- (6) Mechanical equipment rooms with fuel-fired equipment
- (7) Laundry rooms
- (8) Hot water power washer rooms
- (9) Electrical rooms
- (10) Generator rooms

## Fire Sprinkler

A new fully automatic wet-pipe sprinkler system is required throughout the entire facility per UFC 3-600-01 and NFPA 13. A new fire water line, backflow preventer, and dedicated fire valve room are included in scope. A new FDC and PIV are shown on the conceptual site plan, with a new fire hydrant provided by the privatized utility provider (American Water).

Head types include concealed QR heads with painted cover plates in finished areas, standard QR heads with cages in mechanical/electrical/comm rooms and anywhere under 8' AFF, and dry sidewall/pendant heads off the wet-pipe riser at exterior locations. No CPVC, non-metallic pipe, flex hose, or galvanized interior piping is permitted. Pipe is Schedule 40 minimum ( $\leq 2''$ ) and Schedule 10 minimum ( $> 2''$ ).

The RFP indicates that a fire pump is not anticipated based on preliminary flow tests, though the QFPE makes the final call. The RFP references a hydrant flow test in Appendix I and Appendix J. We cannot find it in the solicitation or amendments. We have submitted an RFI requesting a hydrant flow test.

## Fire Alarm and Mass Notification

The existing fire alarm and mass notification system is being fully replaced with a new addressable system. The system must be provided in accordance with all applicable codes and standards (specifically see NFPA 150 for Category 6 Class A. **Provide automatic detection throughout the facility (NFPA 150 Section 16.3.4.5).**

The transmitter shall be a Monaco radio transmitter compatible with the installation.

**Provide class A wiring throughout.** Existing conduit shall be reused (per the RFP). Speakers with field-adjustable taps in office areas; smoke detection per NFPA 72 and NFPA 150; CO sensing where required. NICET Level II technicians minimum, supervised by Level III/IV. All FA/MNS submittals require Government Approval prior to installation.

RAMO (Restricted Audible Mode Operation) is approved for animal housing areas per NFPA 72. Inside the kennel, no speakers or strobing visual appliances are permitted — strobing lights risk causing anxiety, panic, and seizures in animals. In their place, LED scrolling text signs are required per ECB 2018-17. Standard speakers and notification appliances are provided in the office area. System is integrated into the combined FA/MNS addressable panel per UFC 4-021-01.