Categorical Permission Alteration Description – 15. Landside Pump Stations

The categorical permission covers the installation, modification, and replacement of landside pump stations and associated facilities that comply with certain terms and conditions, particularly current USACE standards. Disturbance associated with the pump station is limited to 1 acre.

Whenever possible, pump stations should be located outside the levee easement. Requests to locate a pump station within 15 feet of the levee toe must be accompanied by a geotechnical analysis that includes a seepage analysis. The site layout should provide adequate access for maintenance vehicles to refill fuel tanks and service/replace pumps, generators, etc.

Wet wells must be designed to avoid hydraulic uplift and inlet and outlet ditches must be designed to avoid causing an underseepage threat to the levee.

All flows to the landside pump station should be screened before they reach the pump(s). Trash racks (which must be regularly cleared of debris) are the preferred method of screening.

The operation and maintenance of the pump station should ensure that (1) the pump continues to function properly and (2) that it does not pose a threat to the levee.

Categorical Permission Alteration Checklist – 15. Landside Pump Stations

Please note, the following checklist is intended for planning purposes only and reflects information that USACE reviewers will look for when considering a Section 408 request for landside pump stations under the Categorical Permission. To be reviewed under the Categorical Permission, the proposed project must adhere to all requirements of the Categorical Permission, including the full alteration description (see previous page). The plans and narrative project description should reflect this information.

Installation ☐ Replacement ☐ Modification ☐

Maximum total area of disturbance is 1 acre: ☐

Pump station to be located within 15 feet of the levee toe: Yes ☐ No ☐

If yes, geotechnical analysis including a seepage analysis submitted: ☐

Wet wells designed to avoid hydraulic uplift: Yes ☐ NA ☐

Inlet and outlet ditches designed to avoid causing an underseepage threat to the levee: Yes ☐ NA ☐

Any work within the levee embankment or foundation? Yes ☐ No ☐