

Section 19  
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Floating Plant and Marine Activities

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19.G.02 Dredge pipelines that are floating or supported on trestles shall display appropriate lights at night and in periods of restricted visibility in accordance with USCG regulations and 33 CFR 88.15.

19.G.03 Submerged and floating dredge pipeline.

a. Submerged pipeline and any anchor securing the pipeline shall rest on the channel bottom where a pipeline crosses a navigation channel. The depth of the submerged pipeline will be provided to the USCG for publication.

(1) Whenever buoyant or semi-buoyant pipeline is used, the dredge operator will assure that the pipeline remains fully submerged and on the bottom. Whenever it is necessary to raise the pipeline, proper clearances shall be made and maintained and the entire length of the pipeline will be adequately marked.

(2) Submerged pipelines shall be marked in accordance with local USCG requirements and as approved by the GDA.

(a) Unless otherwise specified by the USCG, submerged pipelines are considered to require special marks and shall have a USCG-approved flashing yellow light.

(b) Indicators, such as signs or buoys that state "DANGER SUBMERGED PIPELINE" will be placed at the beginning and end of the pipeline. In addition, indicators are required

(c) Beginning in areas which reduce the charted depth by more than 10%, and, as a minimum, every 1000 ft (304.8 m) to clearly warn of the pipeline length and course.

(d) If barges or other vessels are used to anchor the beginning and/or end of the submerged pipeline, they shall be lighted in accordance with 33 CFR 88.13.

(e) Within a navigation channel, each end of the pipeline shall be identified with a regulatory marker buoy.

(f) Lengths of submerged pipeline located outside of the navigation channel, which reduce the charted depth by more than 10 percent, will be identified with high visibility buoys marked with 360 degree visibility retro-reflective tape, such as orange neoprene buoys, placed at an interval not to exceed 500 ft (152.4 m) to clearly show the pipeline length and course.

(3) Routine inspections of the submerged pipe shall be conducted to ensure anchorage.

(4) All anchors and related material shall be removed when the submerged pipe is removed.

b. Floating pipeline is any pipeline that is not anchored on the channel bottom. Pipelines shall not be permitted to fluctuate between the water surface and the channel bottom.

c. Pipelines shall be marked with the owner's name for positive identification in the event of loss (adrift) or damage to vessels operating in the area.

19.G.04 Dredges shall be designed so that a failure or rupture of any of the dredge pump components, including dredge pipe, shall not cause the dredge to sink. Data or plans supporting this capability must be available to the GDA upon request.

19.G.05 Mobilization, demobilization, and relocation of dredges, support barges, support tenders, tugs, and heavy equipment shall be by qualified persons under the direct supervision of a responsible individual.

19.G.06 Hopper dredges shall offer a safe means and process to load and unload personnel.

19.G.07 Any dredge that has a dredge pump below the waterline shall have a bilge alarm or shutdown interface.

19.G.08 Covers of "stone boxes" shall be secured with at least two positive means when the boxes are working under positive pressure.

19.G.09 Dredge disposal sites.

a. Drinking water. An adequate supply of drinking water shall be provided at all dredge disposal sites. Cool water shall be provided during hot weather. Portable drinking dispensers shall comply with Section 2 of this manual.

b. Toilet facilities. Toilet facilities shall be provided in accordance with and meet the requirements of Section 2 of this manual.

c. Medical and first-aid requirements. All disposal area watchmen shall be certified in first aid and CPR in accordance with Section 03. At least one 16-unit first-aid kit complying with ANSI Z308.1 shall be provided onsite at all times. The first-aid kit shall be protected from the environment.

d. Amphibious excavators will only be operated in accordance with the manufacturer's operating instructions. A copy of the operator's manual will be readily available on the equipment.