

The DPIIP shall include the following as a minimum:
(DPIIP must have table of contents in the following order and tabs separating sections)

Cover Page Dredge Name
 Date
 Photo of plant

Table of Contents

New page Dredge Contacts
 Dredging Company
 • Dredge Point of Contact on-site
 • Phone Number
 • e-mail address

 Dredge Monitoring System Provider
 • Dredge Monitoring System Point of Contact
 • Telephone Number
 • e-mail address

New page Table of dredge characteristics
 • Dimensions of dredge
 • Dimensions of hopper
 • Method of disposal
 • Capacity
 • Minimum and maximum digging depth
 • Minimum and maximum drafts and displacements
 • RPM and velocity range
 • ID of suction and discharge pipes

New page Sensor data collection method
 • Any averaging
 • Route from sensors to DQM computer
 • Internet connection type and provider

 Sensor descriptions, locations and calibration methods
 • Positioning system
 ○ Brand name, model and accuracy
 ○ Any calculation done external to the instrumentation
 ○ Sensor location with referenced dimensions
 • Dredge heading instrumentation
 ○ Brand name, model and accuracy
 ○ Any calculation done external to the instrumentation
 • Hull status
 ○ Brand name, model and accuracy
 ○ Any calculation done external to the instrumentation
 ○ Sensor location with referenced dimensions

- Calibration procedure
- Draft
 - Brand name, model and accuracy
 - Any calculation done external to the instrumentation
 - Sensor location with referenced dimensions
 - Calibration procedure
- Ullage
 - Brand name, model and accuracy
 - Any calculation done external to the instrumentation
 - Sensor location with referenced dimensions
 - Calibration procedure
- Dragarm depths
 - Brand name, model and accuracy
 - Any calculation done external to the instrumentation
 - Sensor location with referenced dimensions
 - Calibration procedure
- Density
 - Brand name, model and accuracy
 - Any calculation done external to the instrumentation
 - Sensor location with referenced dimensions including pipe diameter
 - Calibration procedure
- Velocity
 - Brand name, model and accuracy
 - Any calculation done external to the instrumentation
 - Sensor location with referenced dimensions including pipe diameter
 - Calibration procedure
- Pump RPM
 - Brand name, model and accuracy
 - Any calculation done external to the instrumentation
 - Sensor location with referenced dimensions
 - Calibration procedure
- Pumpout (if instrumented)
 - Brand name, model and accuracy
 - Any calculation done external to the instrumentation
 - Sensor location with referenced dimensions
 - Calibration procedure

Calculated Parameters

- Displacement:
 - Method used by Contractor to calculate displacement
 - Tables listing (fresh and salt water) displacement as a function of draft in feet and tenths of feet
- Hopper Volume:
 - Method used by Contractor to calculate hopper volume

- Table listing the hopper volume as a function of hopper ullage in feet and tenths of feet
- Description of datum for ullage sounding measurements
- Drag Head Position
 - Method used by Contractor to calculate drag head position
- Load number
 - Method used to increment load number

Quality Control

- Description of Contractors quality control process
- Log of sensor calibrations, repairs and modifications

Appendices

- Hydrostatic curves
- Certified Displacement and Volume Tables
- Legible Dimensioned Drawings of the Dredge with units in feet
 - A typical plan of the dredge showing:
 - Overall dredge and hopper dimensions
 - Locations of required sensors referenced to uniform longitudinal and transverse reference points
 - Distance between the draft sensors
 - Distance between the ullage sensors
 - Dimensions of dragarm
 - A profile view of the dredge showing:
 - Overall dredge and hopper dimensions
 - Distance between draft sensors and draftmarks
 - Locations of required sensors referenced to uniform vertical and longitudinal reference points
 - Typical vessel cross section through the hopper
- Sensor manuals and certificates of calibration