

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
- Table of Contents
- Contact Information (Address, Phone & E-mail)
  - On Site Personnel
  - Dredging Company
  - Dredge Monitoring System Provider
- Table of Dredge Characteristics
  - Dredging Method (Cutter, Dustpan, etc.)
  - Dredge Dimensions (Length, Width & Draft)
    - With & Without Idler Barge (if applicable)
  - Ladder Length
  - Minimum & Maximum Digging Depths
  - Minimum & Maximum Cut Width
  - Number & Types of Pumps (i.e. 1 UW Pump, 2 Main Pumps)
  - Minimum & Maximum Pump RPM
  - Minimum & Maximum Slurry Discharge
  - Inner Diameters of Suction & Discharge Pipes
  - Method for Advancing Dredge (Spud Carriage, Walking Spud, etc.)
  - Cutter Spin Direction
- Sensor Data Collection & Transmission Methods
  - Any Averaging Occurring in Data Collection
  - Data Route from Sensors to DQM Computer
  - Internet Connection Type & Provider
  - Sensor Installation, Repair, Replacement or Modification Methods
  - Procedure to Change Contract Number
  - Description of How the UTC Time Stamp is Collected
- Sensor Descriptions, Locations & Calibration Methods
  - Cutter/Suction Head Horizontal Positioning
    - Brand Name, Model & Accuracy
    - Any Calculation Done External to the Instrumentation
    - Sensor Location with Referenced Dimensions
  - Dredge Heading
    - Brand Name, Model & Accuracy
    - Any Calculation Done External to the Instrumentation
  - Cutter/Suction Head Depth
    - Brand Name, Model & Accuracy
    - Any Calculation Done External to the Instrumentation
    - Sensor Location with Referenced Dimensions
    - Calibration Procedure

- Slurry Velocity
  - Brand Name, Model & Accuracy
  - Any Calculation Done External to the Instrumentation
  - Sensor Location with Referenced Dimensions
  - Pipe Diameter at Velocity Instrumentation
  - Calibration Procedure
- Slurry Density
  - Brand Name, Model & Accuracy
  - Any Calculation Done External to the Instrumentation
  - Sensor Location with Referenced Dimensions
  - Pipe Diameter at Density Instrumentation
  - Calibration Procedure
- Pump RPM
  - Brand Name, Model & Accuracy
  - Any Calculation Done External to the Instrumentation
  - Sensor Location with Referenced Dimensions
  - Calibration Procedure
- Pump Vacuum
  - Brand Name, Model & Accuracy
  - Any Calculation Done External to the Instrumentation
  - Sensor Location with Referenced Dimensions
  - Calibration Procedure
- Pump Outlet Pressure
  - Brand Name, Model & Accuracy
  - Any Calculation Done External to the Instrumentation
  - Sensor Location with Referenced Dimensions
  - Calibration Procedure
- Manual & Calculated Parameters
  - Vertical Correction
    - Method of Obtaining Vertical Correction (Tidal or River Gauge)
    - Procedure for Updating Tide Station/River Stage Station Name
  - Pipeline Lengths
    - Method of Measuring Pipe Lengths
    - Procedure for Reporting & Updating Pipeline Lengths
  - Booster Pumps
    - Method & Procedure for Reporting Booster Pumps that are Added or Removed from Service
  - Dredge Advance
    - Method & Procedure for Calculating & Reporting Daily Dredge Advance.
  - Outfall Information
    - Method & Procedure for Reporting & Updating Outfall Location Description, Position, Elevation & Heading.
  - Outfall Positioning (if Instrumented)
    - Brand Name, Model & Accuracy
    - Any Calculation Done External to the Instrumentation
    - Sensor Location with Referenced Dimensions

- Outfall Heading (if Instrumented)
  - Brand Name, Model & Accuracy
  - Any Calculation Done External to the Instrumentation
  - Sensor Location with Referenced Dimensions
- Outfall Elevation (if Instrumented)
  - Brand Name, Model & Accuracy
  - Any Calculation Done External to the Instrumentation
  - Sensor Location with Referenced Dimensions
- Non-Effective Events
  - Method & Procedure for Reporting Non-Effective Events
- Quality Control
  - Name of Quality Control Systems Manager
  - Description of Quality Control Process
  - Log of Sensor Calibrations, Repairs & Modifications
- Appendices
  - Legible Dimensioned Drawings of the Dredge with Units in Feet
    - A Typical Plan View (with Idler Barge, if Applicable)
      - Overall Dredge & Ladder Dimensions
      - Locations of Required Sensors Referenced to Uniform Longitudinal & Transverse Reference Points
      - Dimensions of Suction & Discharge Piping
    - A Typical Profile View (with Idler Barge, if Applicable)
      - Overall Dredge & Ladder Dimensions
      - Locations of Required Sensors Referenced to Uniform Vertical & Longitudinal Reference Points
  - Sensor Manuals & Certificates of Calibration