

**ITEM 03203.9952 M - REMOVAL AND DISPOSAL OF NON-HAZARDOUS LIQUID  
WASTE MATERIAL**

**DESCRIPTION**

This work shall consist of draining, removal, storage, transportation and disposal of brine water at locations indicated on the plans. Disposal of brine waste material shall be performed in accordance with all New York State Department of Environmental Conservation (DEC) rules and regulations. Work required to excavate, plug, and backfill pipe and trench shall be paid for under their respective items as shown on the plans.

**MATERIALS**

None required.

**CONSTRUCTION DETAILS**

The draining and disposal of brine water shall be performed as follows:

- A. Location and Quantity: The location of the 12 NPS and 20 NPS brine lines are shown on the plans. The contractor shall be responsible for removal and disposal of all brine that is present within the 12 NPS and 20 NPS brine line removal areas as shown on the plans.
- B. Pre-Excavation Activities: The contractor shall take all necessary precautions to ensure adequate containment of all brine water encountered during removal operations to prevent accidental contamination of the stream. The contractor shall have adequate storage capabilities on site prior to commencing any excavation at or adjacent to the 12 NPS and 20 NPS brine line locations in case of accidental breakage. Any costs associated with the accidental release of brine water shall be the responsibility of the contractor at no cost to the State.
- C. Sampling and Testing: The contractor shall conduct any sampling and analyses of the brine as required by the disposal facility. The DEC approved disposal sites typically require testing of the brine water for chloride concentration and the presence of heavy metals prior to transporting and disposal. Preliminary testing indicates 15 percent to 35 percent chlorides and no TCLP heavy metals that exceed hazardous waste levels.
- D. Final Disposal: All brine waste shall follow appropriate chain of custody requirements and all documentation shall be supplied to the Engineer in Charge (EIC). The local DEC office shall be notified ten (10) days before brine removal operations commence as to the anticipated date of transport. The final disposal site shall be at a DEC approved facility such as:

Essex Waste Management, Buffalo, NY  
Tonawanda Tank, Tonawanda, NY  
Allwash, Syracuse, NY

Under no circumstances shall any brine water be discharged intentionally or accidentally into the stream without the appropriate DEC permits. If testing indicates the chloride concentration to be below 250 ppm by volume, and the Contractor is able to acquire a DEC SPDES permit to discharge into the stream and the written approval of the New York State Department of Transportation, the Contractor shall receive payment under force account

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payment procedures as described in Section 109-05 of the N.Y.S.D.O.T. Standard Specifications.

All of the contractor's operations shall be performed in accordance with the applicable Federal, State, County, and local regulations.

**METHOD OF MEASUREMENT**

The quantity of work shall be measured by the number of liters of brine water removed and disposed of at the approved facility.

**BASIS OF PAYMENT**

The unit price bid per liter shall include the cost of all labor, equipment, pumping, storage, sampling, analysis, transportation, and disposal necessary to complete the work described above.