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## Ellicott wins ( 3 ) Custom Dredge Contracts

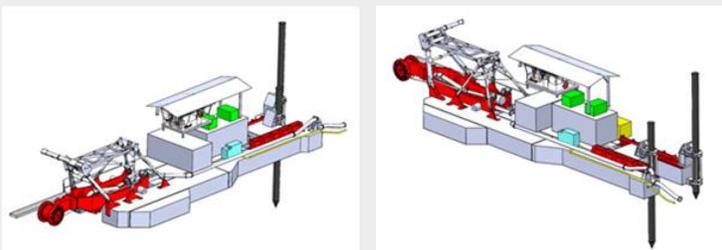
October 2016

Ellicott® Dredges, LLC announced that it has received three significant contracts for custom-designed dredges.

In the first instance a major international chemical company selected Ellicott to build a custom electric bucketwheel dredge to mine salt in a very hard digging application. The new dredge, which will increase the mine's output per operating hour and reduce its cost per ton of salt produced, will become the mine's primary dredge. The salt will be used as feedstock for various chemical products such as chlorine based PVC.

### Ellicott Series B2190E

Principal Particulars		
Total Installed Power	2,475 HP	1,845 kW
Cutter Power	600 HP	447 kW
Pump Power	1,100 HP	820 kW
Pump Diameter	14" x 12"	335 x 305 mm
Length Overall – Approx.	154 ft	47 m
Mounded Length	125 ft	38 m
Maximum Dredging Depth	29.5 ft	9 m
Stroke Length of Spud Carriage	12 ft	3.9 m



### New features on the B2190E dredge include:

- A new hydraulic system, designed in-house, with the goal of reducing power consumption approximately 10% vs existing systems
- Electric over hydraulic controls
- PLC onboard capable of collecting data and providing remote access to dredge controls and systems

### Ellicott Dredges, LLC



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In the second case Barnstable County, Massachusetts, USA has awarded a contract to Ellicott following a public tender. The new dredge will be used to maintain small harbors with beneficial reuse of the sand for beach restoration. The dredge represents a major step up from a smaller standard design Ellicott dredge, a Series 670 Dragon® model named the "COD FISH," which Barnstable has operated reliably and satisfactorily for over 20 years.

### Ellicott Series 850-S

Principal Particulars		
Total Installed Power	850 HP	634 kW
Cutter Power	100 HP	75 kW
Pump Power	700 HP	521 kW
Pump Diameter	14" x 12"	335 x 305 mm
Length Overall – Approx.	90 ft	27 m
Mounded Length	58 ft	17.7 m
Maximum Dredging Depth	40 ft	12 m



*Ellicott Series 670 Dragon® dredge owned by Barnstable County*

### New Features on the Barnstable County Series 850-S dredge include:

- Tier 3 compliant marine engine
- Inline drive train with a marine transmission
- A new hydraulic system, designed in-house, with the goal of reducing power and fuel consumption approximately 10%
- Electric over hydraulic controls
- IQAN and REDLION products used for in-house development of all control and visualization programming
- Fingertip controls with Joysticks mounted in the operator's control chair

Finally, Ellicott announces that a major European chemical company has given it a contract to supply a small bucketwheel dredge to mine fertilizer feedstock.



*Bucketwheel dredge similar to new sale*

All three deliveries will be completed before the end of 2017.

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