



**MCR-Nobles**

December 1, 2022

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND IS CONFIDENTIAL

Nutrient Control Systems, Inc. is pleased to present the following proposal:

<b>P1A</b>			
1	CRI-MAN PTS 150 15KW/20HP SUBMERSIBLE PUMP	\$16,444.00	\$16,444.00
1	PV 150 HOIST AND WINCH	\$2,391.00	\$2,391.00
1	FCV AUTO COUPLER	\$5,084.00	\$5,084.00
4	FC-26 CABLE STOPS	\$32.00	\$128.00
1	CRI-MAN TBM 150 15KW/20HP SUBMERSIBLE MIXER	\$16,410.00	\$16,410.00
1	SFO 150W MIXER BRACKET	\$1,970.00	\$1,970.00
1	PVT KIT 150 MIXER HOIST AND WINCH ASSM	\$3,416.00	\$3,416.00
1	PT 100xSPACER	\$789.00	\$789.00
4	FC 26 CABLE STOPS	\$32.00	\$128.00
<b>P1B</b>			
1	CRI-MAN PTS 150 18.5KW/25HP SUBMERSIBLE FEED PUMP	\$16,760.00	\$16,760.00
1	PV 150 HOIST AND WINCH	\$2,391.00	\$2,391.00
1	FCV AUTO COUPLER	\$5,084.00	\$5,084.00
4	FC-26 CABLE STOPS	\$32.00	\$128.00
1	CRI-MAN TBM 150 18.5/25HP SUBMERSIBLE MIXER	\$16,839.00	\$16,839.00
1	SFO 150W MIXER BRACKET	\$1,970.00	\$1,970.00
1	PVT KIT 150 MIXER HOIST AND WINCH ASSM	\$3,416.00	\$3,416.00
1	PT 150 SPACER	\$789.00	\$789.00
4	FC 26 CABLE STOPS	\$32.00	\$128.00
1	CRI-MAN TBM 150 7.5KW/10HP SUBMERSIBLE MIXER	\$10,978.00	\$10,978.00
1	SFO 100W MIXER BRACKET	\$1,621.00	\$1,621.00
1	PVT KIT 150 MIXER HOIST AND WINCH ASSM	\$3,416.00	\$3,416.00
1	PT 150 SPACER	\$789.00	\$789.00
4	FC 26 CABLE STOPS	\$32.00	\$128.00
<b>P1C</b>			
<b>Piston Pump by MCR</b>			
1	CRI-MAN TBM 150 15KW/20HP SUBMERSIBLE MIXER	\$16,410.00	\$16,410.00
1	SFO 150W MIXER BRACKET	\$1,970.00	\$1,970.00
1	PVT KIT 150 MIXER HOIST AND WINCH ASSM	\$3,416.00	\$3,416.00
1	PT 100xSPACER	\$789.00	\$789.00
4	FC 26 CABLE STOPS	\$32.00	\$128.00
<b>P2</b>			
2	CRI-MAN PTS 150 15KW/20HP SUBMERSIBLE PUMP	\$16,444.00	\$32,888.00
2	PV 150 HOIST AND WINCH	\$2,391.00	\$4,782.00
2	FCV AUTO COUPLER	\$5,084.00	\$10,168.00
8	FC-26 CABLE STOPS	\$32.00	\$256.00
2	CRI-MAN TBM 150 18.5/25HP SUBMERSIBLE MIXER	\$16,839.00	\$33,678.00
2	SFO 150W MIXER BRACKET	\$1,970.00	\$3,940.00
2	PVT KIT 150 MIXER HOIST AND WINCH ASSM	\$3,416.00	\$6,832.00
2	PT 150 SPACER	\$789.00	\$1,578.00
8	FC 26 CABLE STOPS	\$32.00	\$256.00
<b>Digesters</b>			
10	CRI-MAN TBM 150 15KW/20HP SUBMERSIBLE MIXER	\$16,410.00	\$164,100.00
10	SFO 150W MIXER BRACKET	\$1,970.00	\$19,700.00

### Effluent Chambers

2	CRI-MAN TBM 150 15KW/20HP SUBMERSIBLE MIXER	\$16,410.00	\$32,820.00
2	SFO 150W MIXER BRACKET	\$1,970.00	\$3,940.00
2	PVT KIT 150 MIXER HOIST AND WINCH ASSM	\$3,416.00	\$6,832.00
2	PT 100xSPACER	\$789.00	\$1,578.00
8	FC 26 CABLE STOPS	\$32.00	\$256.00

### SEPARATION SYSTEM

2	CRI-MAN 260 PRO FA DRY MATTER PRESS	\$80,807.00	\$161,614.00
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### P3

1	CRI-MAN PTS 150 15KW/20HP SUBMERSIBLE PUMP	\$16,444.00	\$16,444.00
1	PV 150 HOIST AND WINCH	\$2,391.00	\$2,391.00
1	FCV AUTO COUPLER	\$5,084.00	\$5,084.00
4	FC-26 CABLE STOPS	\$32.00	\$128.00
2	CRI-MAN TBM 150 15KW/20HP SUBMERSIBLE MIXER	\$16,410.00	\$32,820.00
2	SFO 150W MIXER BRACKET	\$1,970.00	\$3,940.00
2	PVT KIT 150 MIXER HOIST AND WINCH ASSM	\$3,416.00	\$6,832.00
2	PT 100xSPACER	\$789.00	\$1,578.00
8	FC 26 CABLE STOPS	\$32.00	\$256.00

### P4

2	DUPLEX CRI-MAN PTS 150 18.5KW/25HP LAGOON TRANSFER PUMPS	\$16,760.00	\$33,520.00
2	PV 150 HOIST AND WINCH	\$2,391.00	\$4,782.00
2	FCV AUTO COUPLER	\$5,084.00	\$10,168.00
8	FC-26 CABLE STOPS	\$32.00	\$256.00
1	CRI-MAN PTS 150 22KW/30HP SUBMERSIBLE PUMP FOR LOADING EXPORT TRUCK	\$18,042.00	\$18,042.00
1	PV 150 HOIST AND WINCH	\$2,391.00	\$2,391.00
1	FCV AUTO COUPLER	\$5,084.00	\$5,084.00
4	FC-26 CABLE STOPS	\$32.00	\$128.00
1	CRI-MAN TBM 150 18.5/25HP SUBMERSIBLE MIXER	\$16,839.00	\$16,839.00
1	SFO 150W MIXER BRACKET	\$1,970.00	\$1,970.00
1	PVT KIT 150 MIXER HOIST AND WINCH ASSM	\$3,416.00	\$3,416.00
1	PT 150 SPACER	\$789.00	\$789.00
4	FC 26 CABLE STOPS	\$32.00	\$128.00

LIST			\$786,114.00
DISCOUNT			\$235,834.20
Sub Total 1			\$550,279.80

Sub Total 1			\$550,279.80
Guidance/Start up/ Optimization			\$40,515.00
Total			\$590,794.80

## NCS CONTRACTED DUTIES

- Project drawings if requested are billed separately
- **Separators (Must be mounted, plumbed and wired prior to NCS site arrival):**
  - Inspect wiring and phase motor from customer supplied disconnect switches.
  - Install separator plug
  - Start up and optimize
- **Pumps and Mixers (Must be mounted, plumbed and wired prior to NCS site arrival):**
  - Inspect wiring and phase motors to customer supplied disconnect switches.
- **Control Panels (Must be installed and wired prior to NCS site arrival):**
  - Labor to land in panel wiring, label signal and power wiring in control panel, final landing of motors and signal sensor circuits. Perform initial programming changes to optimize system. Test all signal and safety circuits. **(Applicable if NCS is supplying controls package).**
- **Labor for the above tasks includes:**
  - Task A - NCS shop prep time for 29 pumps/mixers and 2 separators.
  - Task B - 3 days on site for landing and phasing motors. Includes 2 Senior Technicians and 1 Junior Technician
  - Task C - 5 days on site process system controls/separation start up. Includes optimization of pumps, mixers and separation system. Includes 1 Senior Controls Technician and 1 NCS Senior Technician.
  - Task D - 1 return visit (3 days on site) by NCS Senior Technician post full system start up.
  - Labor outside of these tasks will be billed as follows: NCS Junior Technician (\$850/day plus expenses), NCS Senior Technician (\$1,200/day plus expenses), Senior Decanter Technician (\$1,200/day plus expenses), Senior Controls Technician (\$2,000/day plus expenses)

## Customer

- Provide all installation, construction services, and materials (excavation, concrete, building structure, plumbing and tanks).
- Provide all electrical/plumbing materials and labor.
- Assume responsibility for all underground lines.
- Provide all electrical materials and labor for power supply / conduit and signal wiring to control panel and motors. NCS will work with customer electricians on specifications.
- Land feed power into control panels
- Install all power and signal wiring to and from control panels to main power and all motors/sensors.
- Provide equipment (Telehandler/scissor lift) to off load and position all equipment.
- Install plumbing to final connections on equipment.
- Install disconnect switches for all motors.
- Provide all conduit, boxes, and accessories for signal circuits.
- Provide a reliable Wi-Fi signal or internet connection.

## Terms

1. Lead Time: 18-24 weeks from receipt of order and payment.
2. Shipping not included in pricing FOB Chambersburg PA 17201.
3. Safety chain for pumps not included
4. 4x4in SS Rail for mixers not included
5. 2" Stainless steel tubes for FCV not included
6. Contract and PO issued by 12/1/2022
7. Down Payment by 1/15/2023
8. Does not include process controls and sensors
9. 50% down and 50% due at shipping

**NOTES TO  
Equipment Proposal - MCR Nobles**

**December 1, 2022**

1. Any necessary permitting is the responsibility of others.
2. Professional engineering stamps are not included in the pricing.
3. Additional equipment, parts, installation materials, and services may be required that are not detailed in this equipment proposal. The customer is responsible for the cost of these additional items.
4. With Manure Thickeners and Separators, the separation rate decreases as the percent solids in the influent increases. Separation efficiency is also related to general manure quality. In some cases, additional treatment steps such as bio-augmentation, aeration, chemical treatment and/or multi-stage lagoon systems must occur in order to provide sufficient influent quality.
5. The manure slurry furnished to all manure separators and thickeners must be a consistent, homogenous mix.
6. Customer assumes full responsibility in regards to mastitis, somatic cell counts, etc. and agrees to not claim any damages from NCS in regard to those issues.
7. The customer is responsible for damage due to freezing.
8. Customer assumes responsibility for the bedding material and its ability to pass through pumps and the separation equipment. Certain bedding materials can impair pump and separator performance and may also impact the potential dry matter of the separated solid product.
9. Above pricing is good for 15 days from date of quotation.
10. Project drawings if requested are billed separately
11. Warranties on equipment are (24) months on pumps, (27) months from date of shipment. Vibratory and presses, parts only except where otherwise noted. Wearing parts such as pump impellers, separator screens, and separator screws are warranted only for manufacturing defects.
12. Warranty on Non-Wear parts only. No Labor or travel expenses will be warranted.

**Nutrient Control Systems, Inc.**

**Customer**

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**print name**

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**print name**

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**signature**

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**signature**

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