NO	RTHEAST/MERRIMACK V	ALLEY CHEM	ICAL CONSO	RTIUM
	FISCAL YE	AR 2021-202	2	
	OFFICIA	L BID FORM		
DATE:	May 13, 2021			
VENDOR:	Holland Company, inc.			
NOTE:	BID PRICES MUST BE	PER UNIT SPECIFIE	D ON THIS BID FOR	RM
ITEM	CHEMICAL	UNIT TYPE	<u>UNIT BID</u>	PER
NO.				CAL
1 (NEW ITEM)	ALUMINUM CHLOROHYDRATE (ACH)	55 GAL DRUM	\$5.95	GAL.
2	ALUMINUM CHLOROHYDRATE (ACH)	1,000 GAL. BULK	\$4.08	GAL.
3	ALUMINUM SULFATE - 50% SOLUTION Unrefined Bauxite Ore & Sulfuric Acid Preparation NSF 60/ANSI	BULK (1,000 – 5,000 gallon deliveries)	\$1.11	GALLON
4	ALUMINUM SULFATE - 50% SOLUTION Other Prep Method Alternative Bid NSF 60/ANSI	BULK (1,000 – 5,000 gallon deliveries)	\$1.245	GALLON
5	AMMONIA GAS	150 LB. CYLINDER		LB.
6	AMMONIUM SULFATE	50 LB. BAG		DRY LB.
7	AMMONIIUM SULFATE (40% SOLUTION)	GAL.		GAL.
8	ANTHRACITE	60 <u>+</u> LBS. BAGS		CU.FT.
9	AQUEOUS AMMONIA MUST BE 26° BAUMÉ (29%)	GAL.		GAL.
10	ASCORBIC ACID	55 LB BOX		DRY LB.

11	CALCIQUEST ORTHO (PHOSPHORIC ACID)	30 GAL. DRUM	GAL.
12	CALCIQUEST ORTHO (PHOSPHORIC ACID)	15 GAL. DRUM	GAL.
13	CALCIUM CHLORIDE	50 LB. BAG	DRY LB.
14	CALCIUIM CHLORIDE	SUPERSACK	DRY LB.
15	CALCIUM HYPOCHLORITE	PALLET/50 – 50 LBS BAGS	LBS
16	CALCIUM HYPOCHLORITE	LESS THAN PALLET - 50 LBS BAGS	LBS
17	CALCIUM HYPOCHLORITE (Accu-Tab Blue SI by Fillion Associates)	55 LBS PAILS	LBS
18	CALCIUM HYPOCHLORITE (Accu-Tab SI by Axiall LLC)	55 LBS. PAILS	LBS.
19	CALCIUM NITRATE	50 LB. BAG	DRY LB.
20	CARBON DIOXIDE	BULK	LB.
21	CARBON DIOXIDE	50 LBS BOTTLES	
22	CARBON POWDERED	BULK	
23	CARBON POWDERED	SUPERSACK	DRY LB.
24	CAUSTIC SODA- 25% SOLUTION	BULK W (500 – 5,000 gallon deliveries)	
25	CAUSTIC SODA- 25% SOLUTION	55 GAL. DRUM WE	
26	CAUSTIC SODA - 25 % SOLUTION	275 GAL. TOTE	WET LB.
27	CAUSTIC SODA- 50% SOLUTION	BULK (500 – 5,000 gallon deliveries)	WET LB.

28	CAUSTIC SODA- 50% SOLUTION	275 GAL. TOTE	WET. LB.
29	CHLORINE- DRY (HTH)	50 LB. PAILS	DRY LB.
30	CHLORINE	1 TON CYLINDER	LB.
31	CHLORINE	150 LB. CYLINDER	LB.
32	CITRIC ACID 50%	250 GAL TOTE	WET LB.
33	CITRIC ACID 50%	55 GAL.DRUM	WET LB.
34	CITRIC ACID 50% POWDER	50 LB BAGS/PALLET	DRY LB.
35	COPPER SULFATE	50 LB. BAG	DRY LB.
36	FERRIC CHLORIDE - U.S. ONLY 32%-38%	BULK	DRY LB.
37	FERRIC CHLORIDE - U.S. ONLY 32%-38%	55 GAL. DRUM	DRY LB.
38	FERRIC CHLORIDE - FOREIGN: 32%-38% (alternative bid)	BULK	DRY.LB.
39	FERRIC CHLORIDE- FOREIGN: 32% - 38% (alternative bid)	55 GAL.DRUM	DRY.LB.
40	HYDROFLUOSILICIC ACID- 24%	BULK	WET LB.
41	HYDROFLUOSILICIC ACID- 24%	55 GAL. DRUM	WET LB.
42	HYDROFLUOSILICIC ACID- 24%	270 gallon totes	WET LB.
43	LIME (HYDRATED)	50 LB BAGS	DRY LB.
44	LIQUID OXYGEN	BULK	GAL.
45	LIQUID POLYMER	275 GAL TOTE	GAL.
46	LIQUID POLYPHOSPHATE (CARUS 8500 OR EQUAL)	BULK	WET LB.

47	MAGNESIUM HYDROXIDE	BULK	GAL.
(new item)	(58.5-61% DRY SOLIDS)		
48	MANGANESE GREENSAND	BULK	CU FT.
49	MANGANESE GREENSAND PLUS (alternate bid)	BULK	CU FT.
50	METHANOL (100%)	55 GAL DRUM	GAL.
51	MURIATIC ACID-20° BAUMÉ	BULK (1,000 – 3,000) gallon delivered	GAL.
52	MURIATIC ACID-20° BAUMÉ INHIBITED - NSF Certified	55 GAL DRUM	GAL.
53	MURIATIC ACID- 20° BAUMÉ	520 LB. DRUM	LB.
54	MURIATIC ACID- 20° BAUMÉ	4, 1-gallon jugs per box	GAL
55	MURIATIC ACID- 10° BAUMÉ	BULK (1,000 to 3,000 gallon deliveries)	GAL.
56	MURIATIC ACID - 15%	TOTE BULK (300-350 gal)	GAL.
57	MURIATIC ACID – 20%	45 GAL CARBOYS	GAL.
58	MURIATIC ACID- 20° BAUMÉ	PUMPTED TOTE (300-350 gal)	GAL.
59 (NEW ITEM)	ORTHOPHOSPHATE (CARUS 4500)	30 GAL DRUMS	GAL.
59A	ORTHO-POLYPHOSPHATE (AQUAMAG OR EQUAL)	BULK (300-500 GAL)	LB.
60	ORTHO-POLYPHOSPHATE (50%-50% Blend)	30 GALLON DRUM	LB.
61	ORTHO-POLYPHOSPHATE (50%-50% Blend) (Aquamag or equal)	55 GALLON DRUM	LB.
62	ORTHO-POLYPHOSPHATE (30%-70% BLEND)	30 GALLON DRUM	LB.
63 (new item)	ORTHO-PHOSPHATE (10%-90% ORTHO/POLY BLEND	55 GALLON DRUM	LB.

64	PHOSPHATE (LIQUID) (SHANNON SLI 5225 OR CARUS 8100)	5225 OR CARUS DRUMS		GAL.
65 (new item)	POLYMER (MANNICH) SNF POLYDYNE CLARIFLOC C-321	BULK		LB.
66 (new item)	POLYMER (ANIONIC) SNF POLYDYNE NE-1920	275 GAL. TOTE		GAL.
67 (new item)	POLYMER (CATIONIC) SNF POLYDYNE NE-1921	275 GAL. TOTE		GAL.
68 (new item)	POYMER (CATIONIC) SNF POYDYNE NE-1922	275 GAL. TOTE		GAL.
69 (new item)	POLYPHOSPHATE (STERLING CP-33)	340 LBS DRUMS		LBS.
70	PHOSPHORIC ACID 75% SOLUTION	15 GAL. DRUM		WET LB.
71	POLYALUMINUM CHLORIDE (HOLLAND PC-H180 or EQUAL)	BULK	\$1.99	GAL
72	POLYALUMINUM CHLORIDE (HOLLAND PC-H180 or EQUAL)	275 GAL TOTE	\$4.25	GAL
73	POLYALUMINUM CHLORIDE (HOLLAND EPIC-WW58 or EQUAL)	BULK	\$2.89	GAL.
74	POLYALUMINUM CHLORIDE (HOLLAND PCH-182 OR EQUAL)	BULK	\$2.03	GAL.
75	POTASSIUM HYDROXIDE- 45%	BULK (400–5,000 gal. Deliveries)		WET LB.
76	POTASSIUM HYDROXIDE - 45%	BULK 850-1,500 gal - shorter wheelbase delivery		WET LB
77	POTASSIUM HYDROXIDE- 45%	ТОТЕ		WET LB.
78	POTASSIUM HYDROXIDE- 45%	55 GAL. DRUM		WET LB.
79	POTASSIUM PERMANGANATE (U.S. ONLY)	55 LB. DRUM		LB.
80	POTASSIUM PERMANGANATE (U.S. ONLY)	330 LB. DRUM		LB.

81	POTASSIUM PERMANGANATE (U.S. ONLY)	5 LB. PAILS		LB.
82	POTASSIUM PERMANGANATE (FOREIGN- Alternative Bid)	55 LB. DRUM		LB.
83	POTASSIUM PERMANGANATE (FOREIGN - Alternative Bid)	330 LB. DRUM	330 LB. DRUM	
84	POTASSIUM PERMANGANATE (FOREIGN - Alternative Bid)	5 LB. PAILS		LB.
85	SODIUM ALUMINATE- 38% (AWWA B405 – LATEST)	BULK	\$0.265	WET LB.
86	SODIUM BICARBONATE (AWWA/NSF 60)	BULK		DRY LB.
87	SODIUM BICARBONATE (AWWA/NSF 60)	50 LBS. BAG Full Truckload Release		DRY LB.
88	SODIUM BICARBONATE (WASTEWATER)	50 LBS. BAG Full Truckload Release		DRY LB.
89	SODIUM BICARBONATE (WASTEWATER)	50 LBS. BAG Per Pallet		DRY LB.
90	SODIUM BISULFITE- 38% SOLUTION	BULK 1,000 GAL+	\$0.17	WET LB.
91	SODIUM BISULFITE- 38% SOLUTION	MINI-BULK ≤ 800 GAL		WET LB.
92	SODIUM BISULFITE- 38% SOLUTION	55 GAL. DRUM	-	WET LB.
93	SODIUM METABISULFITE (GRANULAR)	50 LBS BAGS		DRY LB.
94	SODIUM CARBONATE SODA ASH- DENSE	50 LB. BAG		DRY LB.
95	SODIUM CARBONATE SODA ASH -DENSE	SUPER SACKS	ER SACKS	
96	SODIUM CARBONATE SODA ASH- DENSE	BULK	BULK	
97	SODIUM CHLORIDE	50 LB. BAG	50 LB. BAG	
98	SODIUM CHLORITE – 25% SOLUTION – U.S. ONLY	BULK	BULK	
99	SODIUM CHLORITE- 25% SOLUTION – U.S. ONLY	55 GAL DRUM		WET LB.

100	SODIUM CHLORITE – 25% FOREIGN (alternate bid)	BULK	BULK	
101	SODIUM CHLORITE- 25% FOREIGN (alternate bid)	55 GAL DRUM		WET LB.
102	SODIUM CHLORITE – 25% SOLUTION – non-AWWA for wastewater use only	BULK	BULK	
103	SODIUM CHLORITE- 25% SOLUTION – non-AWWA for wastewater use only	55 GAL DRUM	55 GAL DRUM	
104	SODIUM CHLORITE – (SAFE-T-CHLOR SOLID)	55 GAL. DRUM		DRY LB.
105	SODIUM FLUORIDE U.S. ONLY	LESS THAN FULL 40 BAG PALLETS OF 50 LB. BAGS		DRY LB.
106	SODIUM FLUORIDE U.S ONLY	FULL 40 BAG PALLETS OF 50 LB. BAGS		DRY LB.
107	SODIUM FLUORIDE FOREIGN (alternative bid)	LESS THAN FULL 40 BAG PALLETS OF 50 LB. BAGS		DRY LB.
108	SODIUM FLUORIDE FOREIGN (alternative bid)	FULL 40 BAG PALLETS OF 50 LB. BAGS		DRY LB.
109	SODIUM HEXAMETAPHOSPHATE	50 LB. BAG		DRY LB.
110	Sodium Hexametaphosphate PRISTINE SK-7641	55 GAL DRUM		WET LB.
111	SODIUM HYPOCHLORITE-5%	250 GAL TOTE		WET LB.
112	SODIUM HYPOCHLORITE- 12.5%	5 GAL CARBOYS		WET LB.
113	SODIUM HYPOCHLORITE- 12.5%	500-2,000 gal. BULK		WET LB.
114	SODIUM HYPOCHLORITE- 15%	BULK (400-5,000 gal. deliveries)		WET LB.
	"BLANK"			

115	SODIUM HYPOCHLORITE- 15% Certified Refrigerated Storage	BULK (400-5,000 gal.	WET LB.
	and Delivery (Alternative Bid)	deliveries)	WE1 257
116	SODIUM HYPOCHLORITE- 15%	55 GAL. DRUMS	WET LB.
117	SODIUM HYPOCHLORITE – 15%	275 GAL. TOTE	WET.LB.
118	SODIUM HYPOCHLORITE- 15%	30 GAL. CONTAINER	WET LB.
119	SODIUM HYPOCHLORITE- 15%	15 GAL. CONTAINER	WET LB.
120	SODIUM HYPOCHLORITE- 15%	5 GAL. CONTAINER	WET LB.
121	SODIUM HYPOCHLORITE- 15%	1 GAL. CONTAINER	WET LB.
122	SODIUM SILICOFLUORIDE	50 LB. BAG	DRY LB.
123	SODIUM THIOSULFATE (penta- hydrate)	25 KG BAGS	DRY KG.
124	THIOSULPHATE – CALCIUM (30%)	275 GAL TOTE	PER GAL.
125	ZINC HEXAMETAPHOSPHATE (V-937 OR EQUAL	50 LB. BAG	DRY LB.
126	ZINC ORTHOPHOSPHATE (V-970 OR EQUAL)	275 GAL TOTE	WET. LB.
127	ZINC ORTHOPHOSPHATE (V-970 OR EQUAL)	BULK	WET LB.
128	ZINC ORTHOPHOSPHATE	55 GAL. DRUM	WET LB.
129	ZINC ORTHOPHOSPHATE (CARUS 3050 OR EQUAL)	50 LB. PAIL	DRY LB.
130	ZINC ORTHOPHOSPHATE (SHANNON SLC 321 OR CARUS 3180)	30 GAL. DRUMS	GAL.
131	ZINC ORTHOPHOSPHATE (SHANNON SLC 321 OR CARUS 3180)	275 GAL. TOTE	GAL.
132	ZINC ORTHOPHOSPHATE (CARUS 3180 OR EQUAL)	15-GAL PAIL	GAL
133	ZINC ORTHOPHOSPHATE (SLI-932 OR EQUAL)	BULK	WET LB.

134	ZINC ORTHOPHOSPHATE (V-939 OR EQUAL)	BULK	ă.	WET LB.
135	ZINC ORTHOPHOSPHATE (UPZ-511 OR EQUAL)	BULK		WET LB.
136	ZINC ORTHOPHOSPHATE (SLI-939 OR EQUAL)	BULK		WET LB.
137	Emergency Pumping and Storage Tanker to support temporary on- site storage for utility that needs to repair containment vessel.	Daily Fee:		Chemicals that bulk pumping and storage will support:

PROPOSAL FROM:
Holland Company, Inc.
153 Howland Avenue
Adams, MA 01220-1199
Telephone: 413-743-1292 email: hcoffice@hollandcompany.com to furnish in accordance with specifications attached, it being further understood that the Town reserves the right to make an award based on quotations received for any and/or on the basis of the aggregate total for all items on which quotations received.
The Bidder acknowledges receipt of the following Addenda: None
Signature: Matthew B. Holland
Sir:

In accordance with the advertisement of the Northeast/Merrimack Valley Chemical Consortium inviting proposals for furnishing Chemicals in conformity with the attached specifications, I/we hereby certify that I am/we are, the only person (s) interested in this proposal as principal(s); that it is made without collusion with any person, firm, or corporation, that an examination has been made of the specifications; and that the equipment/materials will be delivered within the time specified, at the following prices.

SIGNATURES

(If an Individual)	
Date, 2021	
Signature of Bidder: (Owner and Proprietor)	(SEAL)
Business Name D/B/A:	
Business Address: (if a co-partnership)	
Date, 2021	
Firm Name:	(SEAL)
By:	
Business Address:	(SEAL)
Names and Addresses of all Members of Firm (if a corporation) Eileen E Holland, Boston, MA / Daniel J. Holland, Williamstown, MA / Tho	omas J. Holland, Williamstown, MA
Date May 13 , 2021	
Corporate Name: Holland Company, Inc. By: Matthew President or Authorized Agent*	B. Holland
Business Address: 153 Howland Avenue, Adams, I * Statement of authorization, duly signed by proper authority, t	MA 01220-1199 to be attached hereto.

Attest: M:	atthew B.	Holland		
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I certify under the penalty of perjury that I, to the best of my knowledge, have filed all state tax returns and paid all state taxes required under law.

*Signature of Individual or Corporate Name (Mandatory): Holland Company, Inc.

By: Corporate Officer (Mandatory, if Applicable):

WARRANTIES/GUARANTEES

All prospective bidders on items that carry warranties and/or guarantees must include with their sealed proposal a copy of the warranties and/or guarantees of major components as well as a copy of the warranties and/or guarantees on the items being bid/proposal if applicable.

The bidder must make arrangements to assure the owner that the warranties or guarantees can be assigned to the owner. The owner's intent is to use the extent of the coverage in the warranties or guarantees as part of the awarding procedure.

^{*}Approval of a contract or other agreement will not be granted unless this certification clause is signed by the applicant.



Holland

COMPANY INC.

153 HOWLAND AVENUE ADAMS, MA 01220-1199 (TEL.) 413 743-1292 (FAX) 413 743-1298

CORPORATE RESOLUTION

Date May 13, 2021

(Corporate Seal)

At a Meeting of the Directors ofHolland Company, Inc.				
duly called and held at Adams, Massachusetts				
on the 11th day of April, 2019				
at which a quorum was present and acting, it was				
VOTED: That Matthew B. Holland				
the Manager of this Corporation, is hereby authorized and				
empowered to make, enter into, sign, seal and deliver in its name and behalf, all				
BIDS and CONTRACTS.				
I do hereby certify that the above is a true and correct copy of the record, that said				
Vote has not been amended or repealed, and is in full force and effects as of this date, and				
that Matthew B. Holland is the duly elected Manager				
of this Corporation.				
Attest:				
Thomas J. Holland, President				

NORTHEAST/MERRIMACK VALLEY CHEMICAL CONSORTIUM FISCAL YEAR 2021-2022 OFFICIAL BID FORM DATE: 12 May 2021 **VENDOR:** International Dioxcide Inc NOTE: BID PRICES MUST BE PER UNIT SPECIFIED ON THIS BID FORM ITEM CHEMICAL **UNIT TYPE UNIT BID** PER NO. ALUMINUM CHLOROHYDRATE 1 55 GAL GAL. (ACH) DRUM (NEW ITEM) ALUMINUM CHLOROHYDRATE 2 1,000 GAL. GAL. (ACH) BULK **ALUMINUM SULFATE - 50%** 3 BULK SOLUTION (1,000 - 5,000)**GALLON** Unrefined Bauxite Ore & Sulfuric gallon Acid Preparation deliveries) NSF 60/ANSI ALUMINUM SULFATE - 50% 4 BULK SOLUTION (1,000 - 5,000)GALLON Other Prep Method gallon Alternative Bid deliveries) NSF 60/ANSI **AMMONIA GAS** 5 150 LB. LB. CYLINDER AMMONIUM SULFATE 6 50 LB. BAG DRY LB. 7 AMMONIUM SULFATE GAL. GAL. (40% SOLUTION) ANTHRACITE 60+ LBS. BAGS 8 CU.FT. **AQUEOUS AMMONIA** 9 GAL. GAL. MUST BE 26° BAUMÉ (29%) ASCORBIC ACID 10 55 LB BOX DRY LB.

11	CALCIQUEST ORTHO (PHOSPHORIC ACID)	30 GAL. DRUM	A 3 18/11/12/A	GAL.
12	CALCIQUEST ORTHO (PHOSPHORIC ACID)	15 GAL. DRUM		GAL.
13	CALCIUM CHLORIDE	50 LB. BAG		DRY LB.
14	CALCIUIM CHLORIDE	SUPERSACK		DRY LB.
15	CALCIUM HYPOCHLORITE	PALLET/50 – 50 LBS BAGS		LBS
16	CALCIUM HYPOCHLORITE	LESS THAN PALLET - 50 LBS BAGS	.503 HV(240)	LBS
17	CALCIUM HYPOCHLORITE (Accu-Tab Blue SI by Fillion Associates)	55 LBS PAILS		LBS
18	CALCIUM HYPOCHLORITE (Accu-Tab SI by Axiall LLC)	55 LBS. PAILS		LBS.
19	CALCIUM NITRATE	50 LB. BAG		DRY LB.
20	CARBON DIOXIDE	BULK	Prophosoba da cara	LB.
21	CARBON DIOXIDE	50 LBS BOTTLES		LB.
22	CARBON POWDERED	BULK		TON
23	CARBON POWDERED	SUPERSACK	25 cm 32.4	DRY LB.
24	CAUSTIC SODA- 25% SOLUTION	BULK (500 – 5,000 gallon deliveries)	UR BIORNIA SAS	WET LB.
25	CAUSTIC SODA- 25% SOLUTION	55 GAL. DRÚM		WET LB.
26	CAUSTIC SODA - 25 % SOLUTION	275 GAL. TOTE	1.000000A	WET LB.
27	CAUSTIC SODA- 50% SOLUTION	BULK (500 – 5,000 gallon	966 - 96 120 1968 - 96 120	WET LB.
	NO 9	deliveries)	ALTHROUGH	

28	CAUSTIC SODA- 50% SOLUTION	275 GAL. TOTE	WET. LB.
29	CHLORINE- DRY (HTH)	50 LB. PAILS	DRY LB.
30	CHLORINE	1 TON CYLINDER	LB.
31	CHLORINE	150 LB. CYLINDER	LB.
32	CITRIC ACID 50%	250 GAL TOTE	WET LB.
33	CITRIC ACID 50%	55 GAL.DRUM	WET LB.
34	CITRIC ACID 50% POWDER	50 LB BAGS/PALLET	DRY LB.
35	COPPER SULFATE	50 LB. BAG	DRY LB.
36	FERRIC CHLORIDE - U.S. ONLY 32%-38%	BULK	DRY LB.
37	FERRIC CHLORIDE - U.S. ONLY 32%-38%	55 GAL. DRUM	DRY LB.
38	FERRIC CHLORIDE - FOREIGN: 32%-38% (alternative bid)	BULK	DRY.LB.
39	FERRIC CHLORIDE- FOREIGN: 32% - 38% (alternative bid)	55 GAL.DRUM	DRY.LB.
40	HYDROFLUOSILICIC ACID- 24%	BULK	WET LB.
41	HYDROFLUOSILICIC ACID- 24%	55 GAL. DRUM	WET LB.
42	HYDROFLUOSILICIC ACID- 24%	270 gallon totes	WET LB.
43	LIME (HYDRATED)	50 LB BAGS	DRY LB.
44	LIQUID OXYGEN	BULK	GAL.
45	LIQUID POLYMER	275 GAL TOTE	GAL.
46	LIQUID POLYPHOSPHATE (CARUS 8500 OR EQUAL)	BULK	WET LB.

47 (new item)	MAGNESIUM HYDROXIDE (58.5-61% DRY SOLIDS)	BULK		GAL.
48	MANGANESE GREENSAND	BULK	7.000	CU FT.
49	MANGANESE GREENSAND PLUS (alternate bid)	BULK		CU FT.
50	METHANOL (100%)	55 GAL DRUM		GAL.
51	MURIATIC ACID-20° BAUMÉ	BULK (1,000 – 3,000) gallon delivered		GAL.
52	MURIATIC ACID-20° BAUMÉ INHIBITED - NSF Certified	55 GAL DRUM		GAL.
53	MURIATIC ACID- 20° BAUMÉ	520 LB. DRUM	a H	LB.
54	MURIATIC ACID- 20° BAUMÉ	4, 1-gallon jugs per box		GAL
55	MURIATIC ACID- 10° BAUMÉ	BULK (1,000 to 3,000 gallon deliveries)	PSE YARA I	GAL.
56	MURIATIC ACID - 15%	TOTE BULK (300-350 gal)	-31 4 3901	GAL.
57	MURIATIC ACID – 20%	45 GAL CARBOYS		GAL.
58	MURIATIC ACID- 20° BAUMÉ	PUMPTED TOTE (300-350 gal)		GAL.
59 NEW ITEM)	ORTHOPHOSPHATE (CARUS 4500)	30 GAL DRUMS		GAL.
59A	ORTHO-POLYPHOSPHATE (AQUAMAG OR EQUAL)	BULK (300-500 GAL)	asile iurioa	LB.
60	ORTHO-POLYPHOSPHATE (50%-50% Blend)	30 GALLON DRUM		LB.
61	ORTHO-POLYPHOSPHATE (50%-50% Blend) (Aquamag or equal)	55 GALLON DRUM	dir. Adiočaj	LB.
62	ORTHO-POLYPHOSPHATE (30%-70% BLEND)	30 GALLON DRUM	and the factor of the factor o	LB.
63 new item)	ORTHO-PHOSPHATE (10%-90% ORTHO/POLY BLEND	55 GALLON DRUM	Health and the	LB.

64	PHOSPHATE (LIQUID) (SHANNON SLI 5225 OR CARUS 8100)	30 GALLON DRUMS		GAL.
65 (new item)	POLYMER (MANNICH) SNF POLYDYNE CLARIFLOC C-321	BULK		LB.
66 (new item)	POLYMER (ANIONIC) SNF POLYDYNE NE-1920	275 GAL. TOTE		GAL.
67 (new item)	POLYMER (CATIONIC) SNF POLYDYNE NE-1921	275 GAL. TOTE	2 =	GAL.
68 (new item)	POYMER (CATIONIC) SNF POYDYNE NE-1922	275 GAL. TOTE		GAL.
69 (new item)	POLYPHOSPHATE (STERLING CP-33)	340 LBS DRUMS		LBS.
70	PHOSPHORIC ACID 75% SOLUTION	15 GAL. DRUM		WET LB.
71	POLYALUMINUM CHLORIDE (HOLLAND PC-H180 or EQUAL)	BULK		GAL
72	POLYALUMINUM CHLORIDE (HOLLAND PC-H180 or EQUAL)	275 GAL TOTE		GAL
73	POLYALUMINUM CHLORIDE (HOLLAND EPIC-WW58 or EQUAL)	BULK		GAL.
74	POLYALUMINUM CHLORIDE (HOLLAND PCH-182 OR EQUAL)	BULK	9	GAL.
75	POTASSIUM HYDROXIDE- 45%	BULK (400–5,000 gal. Deliveries)	-	WET LB.
76	POTASSIUM HYDROXIDE - 45%	BULK 850-1,500 gal - shorter wheelbase delivery		WET LB
77	POTASSIUM HYDROXIDE- 45%	TOTE		WET LB.
78	POTASSIUM HYDROXIDE- 45%	55 GAL. DRUM		WET LB.
79	POTASSIUM PERMANGANATE (U.S. ONLY)	55 LB. DRUM		LB.
80	POTASSIUM PERMANGANATE (U.S. ONLY)	330 LB. DRUM	-	LB.

81	POTASSIUM PERMANGANATE (U.S. ONLY)	5 LB. PAILS		LB.
82	POTASSIUM PERMANGANATE (FOREIGN- Alternative Bid)	55 LB. DRUM	eta Tronsenta	LB.
83	POTASSIUM PERMANGANATE (FOREIGN - Alternative Bid)	330 LB. DRUM	that devise.	LB.
84	POTASSIUM PERMANGANATE (FOREIGN - Alternative Bid)	5 LB. PAILS	1555, 636, 631	LB.
85	SODIUM ALUMINATE- 38% (AWWA B405 – LATEST)	BULK	Litação, per Gu	WET LB.
86	SODIUM BICARBONATE (AWWA/NSF 60)	BULK		DRY LB.
87	SODIUM BICARBONATE (AWWA/NSF 60)	50 LBS. BAG Full Truckload Release		DRY LB.
88	SODIUM BICARBONATE (WASTEWATER)	50 LBS. BAG Full Truckload Release		DRY LB.
89	SODIUM BICARBONATE (WASTEWATER)	50 LBS. BAG Per Pallet	14 14 24 Guz.	DRY LB.
90	SODIUM BISULFITE- 38% SOLUTION	BULK 1,000 GAL+		WET LB.
91	SODIUM BISULFITE- 38% SOLUTION	MINI-BULK ≤ 800 GAL		WET LB.
92	SODIUM BISULFITE- 38% SOLUTION	55 GAL. DRUM	175-127	WET LB.
93	SODIUM METABISULFITE (GRANULAR)	50 LBS BAGS		DRY LB.
94	SODIUM CARBONATE SODA ASH- DENSE	50 LB. BAG	ковсти (э. 182	DRY LB.
95	SODIUM CARBONATE SODA ASH -DENSE	SUPER SACKS		DRY LB.
96	SODIUM CARBONATE SODA ASH- DENSE	BULK		DRY LB.
97	SODIUM CHLORIDE	50 LB. BAG	Jacob W. Harris	DRY LB.
98	SODIUM CHLORITE – 25% SOLUTION – U.S. ONLY	BULK	\$0.558	WET LB.
99	SODIUM CHLORITE- 25% SOLUTION – U.S. ONLY	55 GAL DRUM	\$0.868	WET LB.

100	SODIUM CHLORITE – 25% FOREIGN (alternate bid)	BULK	\$0.558	WET LB.
101	SODIUM CHLORITE- 25% FOREIGN (alternate bid)	55 GAL DRUM	\$0.868	WET LB.
102	SODIUM CHLORITE – 25% SOLUTION – non-AWWA for wastewater use only	BULK	\$0.558	WET LB.
103	SODIUM CHLORITE- 25% SOLUTION – non-AWWA for wastewater use only	55 GAL DRUM	\$0.868	WET LB.
104	SODIUM CHLORITE – (SAFE-T-CHLOR SOLID)	55 GAL. DRUM		DRY LB.
105	SODIUM FLUORIDE U.S. ONLY	LESS THAN FULL 40 BAG PALLETS OF 50 LB. BAGS		DRY LB.
106	SODIUM FLUORIDE U.S ONLY	FULL 40 BAG PALLETS OF 50 LB. BAGS		DRY LB.
107	SODIUM FLUORIDE FOREIGN (alternative bid)	LESS THAN FULL 40 BAG PALLETS OF 50 LB. BAGS		DRY LB.
108	SODIUM FLUORIDE FOREIGN (alternative bid)	FULL 40 BAG PALLETS OF 50 LB. BAGS		DRY LB.
109	SODIUM HEXAMETAPHOSPHATE	50 LB. BAG		DRY LB.
110	Sodium Hexametaphosphate PRISTINE SK-7641	55 GAL DRUM		WET LB.
111	SODIUM HYPOCHLORITE-5%	250 GAL TOTE		WET LB.
112	SODIUM HYPOCHLORITE- 12.5%	5 GAL CARBOYS		WET LB.
113	SODIUM HYPOCHLORITE- 12.5%	500-2,000 gal. BULK		WET LB.
114	SODIUM HYPOCHLORITE- 15%	BULK (400-5,000 gal. deliveries)		WET LB.
	"BLANK"			

115	SODIUM HYPOCHLORITE- 15%	DILLI	
115	Certified Refrigerated Storage	BULK	disale diam. Out
	and Delivery (Alternative Bid)	(400-5,000 gal.	WET LB.
110	SODIUM HYPOCHLORITE- 15%	deliveries)	
116	30010101111FOCHLORITE- 15%	55 GAL. DRUMS	WET LB.
117	SODIUM HYPOCHLORITE – 15%	275 GAL.	WETID
ala ala /	832.69	TOTE	WET.LB.
118	SODIUM HYPOCHLORITE- 15%	30 GAL.	WET LB.
	490.00	CONTAINER	WEI EB.
119	SODIUM HYPOCHLORITE- 15%	15 GAL.	WET LB.
		CONTAINER	WEI ED.
120	SODIUM HYPOCHLORITE- 15%	5 GAL.	WET LB.
		CONTAINER	
121	SODIUM HYPOCHLORITE- 15%	1 GAL.	WET LB.
	. Or more	CONTAINER	
122	SODIUM SILICOFLUORIDE	50 LB. BAG	DRY LB.
	EAT 64		TO SEE SEED OF THE SEE
123	SODIUM THIOSULFATE (penta-	25 KG BAGS	DRY KG.
	hydrate)	1.	Ditt Kd.
124	THIOSULPHATE – CALCIUM	275 GAL TOTE	PER GAL.
	(30%)		TEN GAL.
125	ZINC HEXAMETAPHOSPHATE	50 LB. BAG	DRY LB.
	(V-937 OR EQUAL		
126	ZINC ORTHOPHOSPHATE	275 GAL TOTE	WET. LB.
	(V-970 OR EQUAL)	1 Avi	Managera
127	ZINC ORTHOPHOSPHATE	BULK	WET LB.
HI IM	(V-970 OR EQUAL)		PARTHER INSALIDATE ONLY
128	ZINC ORTHOPHOSPHATE	55 GAL. DRUM	WET LB.
	(Water 1		Salar Manuel of Transport
129	ZINC ORTHOPHOSPHATE	50 LB. PAIL	DRY LB.
400	(CARUS 3050 OR EQUAL)	1	(13 - Alberta Corner La Corner de la Corner
130	ZINC ORTHOPHOSPHATE	30 GAL. DRUMS	GAL.
	(SHANNON SLC 321 OR CARUS	4.3.6 6.8.6 m	Poul-5 - or 1 - Creat Inc.
121	3180) ZINC ORTHOPHOSPHATE	275 CAL	
131	(SHANNON SLC 321 OR CARUS	275 GAL. TOTE	GAL.
	3180)	TOTE	ELI
132	ZINC ORTHOPHOSPHATE	15-GAL PAIL	CAL
	(CARUS 3180 OR EQUAL)		GAL
133	ZINC ORTHOPHOSPHATE	BULK	WET LB.
	(SLI-932 OR EQUAL)		WLILD.

134	ZINC ORTHOPHOSPHATE (V-939 OR EQUAL)	BULK	WET LB.
135	ZINC ORTHOPHOSPHATE (UPZ-511 OR EQUAL)	BULK	WET LB.
136	ZINC ORTHOPHOSPHATE (SLI-939 OR EQUAL)	BULK	WET LB.
137	Emergency Pumping and Storage Tanker to support temporary on- site storage for utility that needs to repair containment vessel.	Daily Fee:	Chemicals that bulk pumping and storage will support:

PROPOS	AL FROM:		
	-	International Dioxcide Inc	
	-	40 Whitecap Drive	
	_	North Kingstown RI 02852	
and/or on the	oasis of the agg	in accordance with specification serves the right to make an award based on quaregate total for all items on which quotations	intations received for any
The Bidder ac	knowledges re	ceipt of the following Addenda:	
Signature:		Non M Elyen	
Sir:			

In accordance with the advertisement of the Northeast/Merrimack Valley Chemical Consortium inviting proposals for furnishing Chemicals in conformity with the attached specifications, I/we hereby certify that I am/we are, the only person (s) interested in this proposal as principal(s); that it is made without collusion with any person, firm, or corporation, that an examination has been made of the specifications; and that the equipment/materials will be delivered within the time specified, at the following prices.

SIGNATURES

(If an Individual)		
Date, 2021		
Signature of Bidder:		(SEAL)
	er and Proprietor)	(SEAL)
Business Name D/B/A:		
Business Address: (if a co-partnership)		
Date, 2021	2.91 e0x300. (Crapa), Peores	:00433.14,403033
Firm Name:		(SEAL)
By:		
Business Address:		(SEAL)
Names and Addresses of all Me (if a corporation)	mbers of Firm	n angenerur (1 garrante), verra Segnigor di 10 meni dan na d Segnigor enet stance de espoiti
Date, 2021		Natur P
Corporate Name: International Dic	oxcide Inc	
By: Thomas Dwyer, CIO2 business director	or Nam M Dyer	
President or	Authorized Agent*	and the statement of the section of
Business Address: * Statement of authorization, duly s	igned by proper authority, to be a	attached hereto.

Attest: Danielle Pigeon					
I certify under the penalty of perjury that I, to the best of my knowledge, have filed all state tax returns and paid all state taxes required under law.					
*Signature of Individual or Corporate Name (Mandatory):	International Dioxcide Inc				
By: Corporate Officer (Mandatory, if Applicable):	No M Elyer				
*Approval of a contract or other agreement will not be granthe applicant.	ted unless this certification clause is signed by				

WARRANTIES/GUARANTEES

All prospective bidders on items that carry warranties and/or guarantees must include with their sealed proposal a copy of the warranties and/or guarantees of major components as well as a copy of the warranties and/or guarantees on the items being bid/proposal if applicable.

The bidder must make arrangements to assure the owner that the warranties or guarantees can be assigned to the owner. The owner's intent is to use the extent of the coverage in the warranties or guarantees as part of the awarding procedure.

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NORTHEAST/MERRIMACK VALLEY CHEMICAL CONSORTIUM						
	FISCAL YEAR 2021-2022					
	OFFICIA	AL BID FORM				
DATE:	Slisla					
VENDOR:	JCI Jones Chemicals	, Inc.				
NOTE:	BID PRICES MUST BE	PER UNIT SPECIFII	ED ON THIS BID FO	PRM		
ITEM NO.	CHEMICAL	UNIT TYPE	UNIT BID	PER		
1 (NEW ITEM)	ALUMINUM CHLOROHYDRATE (ACH)	55 GAL DRUM		GAL.		
2	ALUMINUM CHLOROHYDRATE (ACH)	1,000 GAL. BULK		GAL.		
3	ALUMINUM SULFATE - 50% SOLUTION Unrefined Bauxite Ore & Sulfuric Acid Preparation NSF 60/ANSI	BULK (1,000 – 5,000 gallon deliveries)		GALLON		
4	ALUMINUM SULFATE - 50% SOLUTION Other Prep Method Alternative Bid NSF 60/ANSI	BULK (1,000 – 5,000 gallon deliveries)		GALLON		
5	AMMONIA GAS	150 LB. CYLINDER		LB.		
6	AMMONIUM SULFATE	50 LB. BAG		DRY LB.		
7	AMMONIIUM SULFATE (40% SOLUTION)	GAL.		GAL.		
8	ANTHRACITE	60 <u>+</u> LBS. BAGS		CU.FT.		
9	AQUEOUS AMMONIA MUST BE 26° BAUMÉ (29%)	GAL.	rit.	GAL.		
10	ASCORBIC ACID	55 LB BOX		DRY LB.		

Manager and Company of the Company o			
11	CALCIQUEST ORTHO (PHOSPHORIC ACID)	30 GAL. DRUM	GAL.
12	CALCIQUEST ORTHO (PHOSPHORIC ACID)	15 GAL. DRUM	GAL.
13	CALCIUM CHLORIDE	50 LB. BAG	DRY LB.
14	CALCIUIM CHLORIDE	SUPERSACK	DRY LB.
15	CALCIUM HYPOCHLORITE	PALLET/50 – 50 LBS BAGS	LBS
16	CALCIUM HYPOCHLORITE	LESS THAN PALLET - 50 LBS BAGS	LBS
17	CALCIUM HYPOCHLORITE (Accu-Tab Blue SI by Fillion Associates)	55 LBS PAILS	LBS
18	CALCIUM HYPOCHLORITE (Accu-Tab SI by Axiall LLC)	55 LBS. PAILS	LBS.
19	CALCIUM NITRATE	50 LB. BAG	DRY LB.
20	CARBON DIOXIDE	BULK	LB.
21	CARBON DIOXIDE	50 LBS BOTTLES	LB.
22	CARBON POWDERED	BULK	TON
23	CARBON POWDERED	SUPERSACK	DRY LB.
24	CAUSTIC SODA- 25% SOLUTION	BULK (500 – 5,000 gallon deliveries)	WET LB.
25	CAUSTIC SODA- 25% SOLUTION	55 GAL. DRUM	WET LB.
26	CAUSTIC SODA - 25 % SOLUTION	275 GAL. TOTE	WET LB.
27	CAUSTIC SODA- 50% SOLUTION	BULK (500 – 5,000 gallon deliveries)	WET LB.

28	CAUSTIC SODA- 50% SOLUTION	275 GAL. TOTE		WET. LB.
29	CHLORINE- DRY (HTH)	50 LB. PAILS		DRY LB.
30	CHLORINE	1 TON CYLINDER	4,95	LB.
31	CHLORINE	150 LB. CYLINDER	1.7933	LB.
32	CITRIC ACID 50%	250 GAL TOTE		WET LB.
33	CITRIC ACID 50%	55 GAL.DRUM		WET LB.
34	CITRIC ACID 50% POWDER	50 LB BAGS/PALLET	Commence of the Commence of th	DRY LB.
35	COPPER SULFATE	50 LB. BAG		DRY LB.
36	FERRIC CHLORIDE - U.S. ONLY 32%-38%	BULK		DRY LB.
37	FERRIC CHLORIDE - U.S. ONLY 32%-38%	55 GAL. DRUM		DRY LB.
38	FERRIC CHLORIDE - FOREIGN: 32%-38% (alternative bid)	BULK	Name of the last o	DRY.LB.
39	FERRIC CHLORIDE- FOREIGN: 32% - 38% (alternative bid)	55 GAL.DRUM		DRY.LB.
40	HYDROFLUOSILICIC ACID- 24%	BULK		WET LB.
41	HYDROFLUOSILICIC ACID- 24%	55 GAL. DRUM		WET LB.
42	HYDROFLUOSILICIC ACID- 24%	270 gallon totes		WET LB.
43	LIME (HYDRATED)	50 LB BAGS		DRY LB.
44	LIQUID OXYGEN	BULK		GAL.
45	LIQUID POLYMER	275 GAL TOTE		GAL.
46	LIQUID POLYPHOSPHATE (CARUS 8500 OR EQUAL)	BULK		WET LB.

47	MAGNESIUM HYDROXIDE	BULK	GAL.	
(new item)	(58.5-61% DRY SOLIDS)		G/IL.	
48	MANGANESE GREENSAND	BULK	CU FT.	
49	MANGANESE GREENSAND PLUS (alternate bid)	BULK	CU FT.	
50	METHANOL (100%)	55 GAL DRUM	GAL.	
51	MURIATIC ACID-20° BAUMÉ	BULK (1,000 – 3,000) gallon delivered	GAL.	
52	MURIATIC ACID-20° BAUMÉ INHIBITED - NSF Certified	55 GAL DRUM	GAL.	
53	MURIATIC ACID- 20° BAUMÉ	520 LB. DRUM	LB.	
54	MURIATIC ACID- 20° BAUMÉ	4, 1-gallon jugs per box	GAL	
55	MURIATIC ACID- 10° BAUMÉ	BULK 1,000 to 3,000 gallon deliveries)	GAL.	
56	MURIATIC ACID - 15%	TOTE BULK (300-350 gal)	GAL.	
57	MURIATIC ACID – 20%	45 GAL CARBOYS	GAL.	
58	MURIATIC ACID- 20° BAUMÉ	PUMPTED TOTE (300-350 gal)	GAL.	
59 (NEW ITEM)	ORTHOPHOSPHATE (CARUS 4500)	30 GAL DRUMS	GAL.	
59A	ORTHO-POLYPHOSPHATE (AQUAMAG OR EQUAL)	BULK (300-500 GAL)	LB.	
60	ORTHO-POLYPHOSPHATE (50%-50% Blend)	30 GALLON DRUM	LB.	
61	ORTHO-POLYPHOSPHATE (50%-50% Blend) (Aquamag or equal)	55 GALLON DRUM	LB.	
62/	ORTHO-POLYPHOSPHATE (30%-70% BLEND)	30 GALLON DRUM	LB.	
63 (new item)	ORTHO-PHOSPHATE (10%-90% ORTHO/POLY BLEND	55 GALLON DRUM	LB.	

				T-1
64	PHOSPHATE (LIQUID)	30 GALLON		GAL.
	(SHANNON SLI 5225 OR CARUS	DRUMS		
	8100)			
65	POLYMER (MANNICH)	BULK	m	LB.
(new item)	SNF POLYDYNE CLARIFLOC C-321			
66	POLYMER (ANIONIC)	275 GAL.		GAL.
(new item)	SNF POLYDYNE NE-1920	TOTE		
67	POLYMER (CATIONIC)	275 GAL.		GAL.
(new item)	SNF POLYDYNE NE-1921	TOTE		
68	POYMER (CATIONIC)	275 GAL.		GAL.
(new item)	SNF POYDYNE NE-1922	TOTE		G/ (E.
	POLYPHOSPHATE	340 LBS		LBS.
69	(STERLING CP-33)	DRUMS		LBS.
(new item)	· ·			
70	PHOSPHORIC ACID	15 GAL. DRUM		WET LB.
	75% SOLUTION			
71	POLYALUMINUM CHLORIDE	BULK		GAL
	(HOLLAND PC-H180 or EQUAL)			
72	POLYALUMINUM CHLORIDE	275 GAL TOTE		GAL
, _	(HOLLAND PC-H180 or EQUAL)			
73	POLYALUMINUM CHLORIDE	BULK		GAL.
/ 5	(HOLLAND EPIC-WW58 or EQUAL)	pro me decadento		27.12.
74	POLYALUMINUM CHLORIDE			
	(HOLLAND PCH-182 ØR	BULK		GAL.
	EQUAL)			
75		BULK		WET LB.
	POTASSIUM HYDROXIDE- 45%	(400-5,000 gal.		
		Deliveries)		
76	DOTAGOU IN ALIVORDO VICE	BULK		
	POTASSIUM HYDROXIDE - 45%	850-1,500 gal -		WET LB
		shorter		
		wheelbase		
77	POTASSIUM HYDROXIDE- 45%	delivery		METIS
77	FOLASSICIVI HTUKUKIDE- 45%	TOTE		WET LB.
	POTACCILIA I INCOCUENTE ASSI	EF OAL EELW		
78	POTASSIUM HYDROXIDE- 45%	55 GAL. DRUM	4	WET LB.
79/	POTASSIUM PERMANGANATE	55 LB. DRUM		LB.
	(U.S. ONLY)			
80	POTASSIUM PERMANGANATE	330 LB. DRUM		LB.
	(U.S. ONLY)			
9				The second secon

81	POTASSIUM PERMANGANATE (U.S. ONLY)	5 LB. PAILS		LB.
82	POTASSIUM PERMANGANATE (FOREIGN- Alternative Bid)	55 LB. DRUM		LB.
83	POTASSIUM PERMANGANATE (FOREIGN - Alternative Bid)	330 LB. DRUM		LB.
84	POTASSIUM PERMANGANATE (FOREIGN - Alternative Bid)	5 LB. PAILS		LB.
85	SODIUM ALUMINATE- 38% (AWWA B405 – LATEST)	BULK		WET LB.
86	SODIUM BICARBONATE (AWWA/NSF 60)	BULK		DRY LB.
87	SODIUM BICARBONATE (AWWA/NSF 60)	50 LBS. BAG Full Truckload Release		DRY LB.
88	SODIUM BICARBONATE (WASTEWATER)	50 LBS. BAG Full Truckload Release		DRY LB.
89	SODIUM BICARBONATE (WASTEWATER)	50 LBS. BAG Per Pallet		DRY LB.
90	SODIUM BISULFITE- 38% SOLUTION	BULK 1,000 GAL+	\$ 1279	WET LB.
91	SODIUM BISULFITE- 38% SOLUTION	MINI-BULK ≤ 800 GAL		WET LB.
92	SODIUM BISULFITE- 38% SOLUTION	55 GAL. DRUM		WET LB.
93	SODIUM METABISULFITE (GRANULAR)	50 LBS BAGS		DRY LB.
94	SODIUM CARBONATE SODA ASH- DENSE	50 LB. BAG		DRY LB.
95	SODIUM CARBONATE SODA ASH -DENSE	SUPER SACKS		DRY LB.
96	SODIUM CARBONATE SODA ASH- DENSE	BULK	California de la Califo	DRY LB.
97	SODIUM CHLORIDE	50 LB. BAG		DRY LB.
98	SODIUM CHLORITE – 25% SOLUTION – U.S. ONLY	BULK		WET LB.
99	SODIUM CHLORITE- 25% SOLUTION – U.S. ONLY	55 GAL DRUM		WET LB.

100	SODIUM CHLORITE – 25% FOREIGN (alternate bid)	BULK	WET LB.
101	SODIUM CHLORITE- 25% FOREIGN (alternate bid)	55 GAL DRUM	WET LB.
102	SODIUM CHLORITE – 25% SOLUTION – non-AWWA for wastewater use only	BULK	WET LB.
103	SODIUM CHLORITE- 25% SOLUTION – non-AWWA for wastewater use only	55 GAL DRUM	WET LB.
104	SODIUM CHLORITE – (SAFE-T-CHLOR SOLID)	55 GAL. DRUM	DRY LB.
105	SODIUM FLUORIDE U.S. ONLY	LESS THAN FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
106	SODIUM FLUORIDE U.S ONLY	FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
107	SODIUM FLUORIDE FOREIGN (alternative bid)	LESS THAN FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
108	SODIUM FLUORIDE FOREIGN (alternative bid)	FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
109	SODIUM HEXAMETAPHOSPHATE	50 LB. BAG	DRY LB.
110	Sodium Hexametaphosphate PRISTINE SK-7641	55 GAL DRUM	WET LB.
111	SODIUM HYPOCHLORITE-5%	250 GAL TOTE	WET LB.
112	SODIUM HYPOCHLORITE- 12.5%	5 GAL CARBOYS	WET LB.
113	SODIUM HYPOCHLORITE- 12.5%	500-2,000 gal. BULK	WET LB.
114	SODIUM HYPOCHLORITE- 15%	BULK (400-5,000 gal. deliveries)	WET LB.
	"BLANK"		

	CODUINALIVO CUI ODITE 450/	DILLIA		
115	SODIUM HYPOCHLORITE- 15%	BULK		
	Certified Refrigerated Storage	(400-5,000 gal.		WET LB.
	and Delivery (Alternative Bid)	deliveries)		
116	SODIUM HYPOCHLORITE- 15%	55 GAL. DRUMS		WET LB.
110				
		275 041		/ VALET LD
117	SODIUM HYPOCHLORITE – 15%	275 GAL.		WET.LB.
		TOTE		
118	SODIUM HYPOCHLORITE- 15%	30 GAL.		WET LB.
110		CONTAINER		
440	SODIUM HYPOCHLORITE- 15%	15 GAL.		WET LB.
119	30DIOWITTFOCILORITE-13%	CONTAINER		VVETED.
120	SODIUM HYPOCHLORITE- 15%	5 GAL.		WET LB.
		CONTAINER		
121	SODIUM HYPOCHLORITE- 15%	1 GAL	-	WET LB.
121	305/6///// 30//20/// 25//	CONTAINER		
				5577.5
122	SODIUM SILICOFLUORIDE	50 LB. BAG		DRY LB.
123	SODIUM THIOSULFATE (penta-	25 KG BAGS		DRY KG.
123	hydrate)			
101	THIOSULPHATE – CALCIUM	275 GAL TOTE		PER GAL.
124		2/3 GAL TOTE		PER GAL.
	(30%)			
125	ZINC HEXAMETAPHOSPHATE	50 LB. BAG		DRY LB.
	(V-937 OR EQUAL			
126	ZINC ORTHOPHOSPHATE	275 GAL TOTE		WET. LB.
120	(V-970 OR E Q UAL)			
127	ZINC ORTHOPHOSPHATE	BULK		WET LB.
12/	(V-970 OR EQUAL)			
400	ZINC ORTHOPHOSPHATE	55 GAL. DRUM		WET LB.
128	ZINC ORTHOFHOSFIATE	33 GAL. DINOIVI		WEILD.
		FO.1 B. 5		D D)/// D
129	ZINC ORTHOPHOSPHATE	50 LB. PAIL		DRY LB.
	(CARUS 3050 OR EQUAL)			
130	ZINC ORTHOPHOSPHATE	30 GAL. DRUMS		GAL.
	(SHANNON SLC 321 OR CARUS			,
	3180)			
131	ZINC ORTHOPHOSPHATE	275 GAL.		GAL.
131	(SHANNON SLC 321 OR CARUS	TOTE		
	3180)			8
122	ZINC ORTHOPHOSPHATE	15-GAL PAIL		GAL
13/2	(CARUS 3180 OR EQUAL)			
100	· · · · · · · · · · · · · · · · · · ·	DITT		\A/ET I D
133	ZINC ORTHOPHOSPHATE (SLI-932 OR EQUAL)	BULK		WET LB.
	KII UZ J ND LMININ	1	I	1

134	ZINC ORTHOPHOSPHATE (V-939 OR EQUAL)	BULK	- All translations and desirable and desirab	WET LB.
135	ZINC ORTHOPHOSPHATE (UPZ-511 OR EQUAL)	BULK		WET LB.
136	ZINC ORTHOPHOSPHATE (SLI-939 OR EQUAL)	BULK		WET LB.
137	Emergency Pumping and Storage Tanker to support temporary on- site storage for utility that needs to repair containment vessel.	Daily Fee:		Chemicals that bulk pumping and storage will support:

PROPOSAL FROM:	JCI Jones Chemica	ils, Inc.	
	1765 Rinc	aling Blvd	
	Sarasota,	FL 34236	
Telephone: 4133 to furnish	cal sin accordance with	h specifications attached, it being fur rd based on quotations received for a sich quotations received.	rther
The Bidder acknowledges re	ceipt of the following Addenda:	None	
Signature:			

In accordance with the advertisement of the Northeast/Merrimack Valley Chemical Consortium inviting proposals for furnishing Chemicals in conformity with the attached specifications, I/we hereby certify that I am/we are, the only person (s) interested in this proposal as principal(s); that it is made without collusion with any person, firm, or corporation, that an examination has been made of the specifications; and that the equipment/materials will be delivered within the time specified, at the following prices.

Sir:

(If an Individual)	
Date, 2021	
Signature of Bidder: (Owner and Proprietor)	(SEAL)
Business Name D/B/A:	
Business Address: (if a co-partnership)	*
Date, 2021	
Firm Name:	(SEAL)
By:	
Business Address:	(SEAL)
Names and Addresses of all Members of Firm (if a corporation)	
	,
Date May 14, 2021	
Corporate Name: JCI Jones Chemicals, Inc.	
By: President or Authorized Agent*	
Business Address: The Ringling Blvd, S * Statement of authorization, duly signed by proper authority, to be at	ara sota FL 34236 tached hereto.

10 of 11 pages

NEMVCC Official Bid Form and Signature Pages (FY 2021-2022)

SIGNATURES



Corporate Officers 2021

- Jeffrey W. Jones, Chief Executive Officer 1765 Ringling Blvd., Sarasota, FL 34236 (941) 330-1537
- Jeffrey R.W. Jones, President & Treasurer 1765 Ringling Blvd., Sarasota, FL 34236 (941) 330-1537
- Ryan C. Jones, President & Chief Operating Officer 1765 Ringling Blvd., Sarasota, FL 34236 (941) 330-1537
- Susan M. Jones, Chief Administrative Officer 1765 Ringling Blvd., Sarasota, FL 34236 (941) 330-1537
- Angela L. Marvin, CPA, Chief Financial Officer 1765 Ringling Blvd., Sarasota, FL 34236 (941) 330-1537
- James M. Hartman, Esq., Corporate Secretary & General Counsel 15 Oakfield Way Pittsford, NY 14534 (585) 538-2314

Attest:	angela Me	
	U	

I certify under the penalty of perjury that I, to the best of my knowledge, have filed all state tax returns and paid all state taxes required under law.

*Signature of Individual or Corporate Name (Mandatory):

JCI Jones Chemicals, Inc.

By: Corporate Officer (Mandatory, if Applicable):

*Approval of a contract or other agreement will not be granted unless this certification clause is signed by the applicant.

WARRANTIES/GUARANTEES

All prospective bidders on items that carry warranties and/or guarantees must include with their sealed proposal a copy of the warranties and/or guarantees of major components as well as a copy of the warranties and/or guarantees on the items being bid/proposal if applicable.

The bidder must make arrangements to assure the owner that the warranties or guarantees can be assigned to the owner. The owner's intent is to use the extent of the coverage in the warranties or guarantees as part of the awarding procedure.

	ORTHEAST/MERRIMACK Y	EAR 2021-202		ואוטואו
OFFICIAL BID FORM				
DATE:	May 17, 2021			
VENDOR:	Kemira Water Soluti	ions, Inc.		
NOTE:	BID PRICES MUST BE	PER UNIT SPECIFIE	D ON THIS BID FO	RM
ITEM NO.	CHEMICAL	UNIT TYPE	UNIT BID	PER
1 (NEW ITEM)	ALUMINUM CHLOROHYDRATE (ACH)	55 GAL DRUM		GAL.
2	ALUMINUM CHLOROHYDRATE (ACH)	1,000 GAL. BULK		GAL.
3	ALUMINUM SULFATE - 50% SOLUTION Unrefined Bauxite Ore & Sulfuric Acid Preparation NSF 60/ANSI	BULK (1,000 – 5,000 gallon deliveries)		GALLON
4	ALUMINUM SULFATE - 50% SOLUTION Other Prep Method Alternative Bid NSF 60/ANSI	BULK (1,000 – 5,000 gallon deliveries)		GALLON
5	AMMONIA GAS	150 LB. CYLINDER		LB.
6	AMMONIUM SULFATE	50 LB. BAG		DRY LB.
7	AMMONIIUM SULFATE (40% SOLUTION)	GAL.		GAL.
8	ANTHRACITE	60 <u>+</u> LBS. BAGS		CU.FT.
9	AQUEOUS AMMONIA MUST BE 26° BAUMÉ (29%)	GAL.		GAL.
10	ASCORBIC ACID	55 LB BOX		DRY LB.

11	CALCIQUEST ORTHO (PHOSPHORIC ACID)	30 GAL. DRUM	GAL.
12	CALCIQUEST ORTHO (PHOSPHORIC ACID)	15 GAL. DRUM	GAL.
13	CALCIUM CHLORIDE	50 LB. BAG	DRY LB.
14	CALCIUIM CHLORIDE	SUPERSACK	DRY LB.
15	CALCIUM HYPOCHLORITE	PALLET/50 – 50 LBS BAGS	LBS
16	CALCIUM HYPOCHLORITE	LESS THAN PALLET - 50 LBS BAGS	LBS
17	CALCIUM HYPOCHLORITE (Accu-Tab Blue SI by Fillion Associates)	55 LBS PAILS	LBS
18	CALCIUM HYPOCHLORITE (Accu-Tab SI by Axiall LLC)	55 LBS. PAILS	LBS.
19	CALCIUM NITRATE	50 LB. BAG	DRY LB.
20	CARBON DIOXIDE	BULK	LB.
21	CARBON DIOXIDE	50 LBS BOTTLES	LB.
22	CARBON POWDERED	BULK	TON
23	CARBON POWDERED	SUPERSACK	DRY LB.
24	CAUSTIC SODA- 25% SOLUTION	BULK (500 – 5,000 gallon deliveries)	WET LB.
25	CAUSTIC SODA- 25% SOLUTION	55 GAL. DRUM	WET LB.
26	CAUSTIC SODA - 25 % SOLUTION	275 GAL. TOTE	WET LB.
27	CAUSTIC SODA- 50% SOLUTION	BULK (500 – 5,000 gallon deliveries)	WET LB.

28	CAUSTIC SODA- 50% SOLUTION	275 GAL. TOTE		WET. LB.
29	CHLORINE- DRY (HTH)	50 LB. PAILS		DRY LB.
30	CHLORINE	1 TON CYLINDER		LB.
31	CHLORINE	150 LB. CYLINDER		LB.
32	CITRIC ACID 50%	250 GAL TOTE		WET LB.
33	CITRIC ACID 50%	55 GAL.DRUM		WET LB.
34	CITRIC ACID 50% POWDER	50 LB BAGS/PALLET		DRY LB.
35	COPPER SULFATE	50 LB. BAG		DRY LB.
36	FERRIC CHLORIDE - U.S. ONLY 32%-38%	BULK		DRY LB.
37	FERRIC CHLORIDE - U.S. ONLY 32%-38%	55 GAL. DRUM		DRY LB.
38	FERRIC CHLORIDE - FOREIGN: 32%-38% (alternative bid)	BULK	0.333 pardry pound	DRY.LB.
39	FERRIC CHLORIDE- FOREIGN: 32% - 38% (alternative bid)	55 GAL.DRUM	privary pound	DRY.LB.
40	HYDROFLUOSILICIC ACID- 24%	BULK		WET LB.
41	HYDROFLUOSILICIC ACID- 24%	55 GAL. DRUM		WET LB.
42	HYDROFLUOSILICIC ACID- 24%	270 gallon totes		WET LB.
43	LIME (HYDRATED)	50 LB BAGS		DRY LB.
44	LIQUID OXYGEN	BULK		GAL.
45	LIQUID POLYMER	275 GAL TOTE		GAL.
46	LIQUID POLYPHOSPHATE (CARUS 8500 OR EQUAL)	BULK		WET LB.

Kemira PIK-311

47 (new item)	MAGNESIUM HYDROXIDE (58.5-61% DRY SOLIDS)	BULK	GAL.
48	MANGANESE GREENSAND	BULK	CU FT.
49	MANGANESE GREENSAND PLUS (alternate bid)	BULK	CU FT.
50	METHANOL (100%)	55 GAL DRUM	GAL.
51	MURIATIC ACID-20° BAUMÉ	BULK (1,000 – 3,000) gallon delivered	GAL.
52	MURIATIC ACID-20° BAUMÉ INHIBITED - NSF Certified	55 GAL DRUM	GAL.
53	MURIATIC ACID- 20° BAUMÉ	520 LB. DRUM	LB.
54	MURIATIC ACID- 20° BAUMÉ	4, 1-gallon jugs per box	GAL
55	MURIATIC ACID- 10° BAUMÉ	BULK (1,000 to 3,000 gallon deliveries)	GAL.
56	MURIATIC ACID - 15%	TOTE BULK (300-350 gal)	GAL.
57	MURIATIC ACID – 20%	45 GAL CARBOYS	GAL.
58	MURIATIC ACID- 20° BAUMÉ	PUMPTED TOTE (300-350 gal)	GAL.
59 (NEW ITEM)	ORTHOPHOSPHATE (CARUS 4500)	30 GAL DRUMS	GAL.
59A	ORTHO-POLYPHOSPHATE (AQUAMAG OR EQUAL)	BULK (300-500 GAL)	LB.
60	ORTHO-POLYPHOSPHATE (50%-50% Blend)	30 GALLON DRUM	LB.
61	ORTHO-POLYPHOSPHATE (50%-50% Blend) (Aquamag or equal)	55 GALLON DRUM	LB.
62	ORTHO-POLYPHOSPHATE (30%-70% BLEND)	30 GALLON DRUM	LB.
63 (new item)	ORTHO-PHOSPHATE (10%-90% ORTHO/POLY BLEND	55 GALLON DRUM	LB.

64	PHOSPHATE (LIQUID)	30 GALLON	GAL.
	(SHANNON SLI 5225 OR CARUS	DRUMS	
	8100)		
65	POLYMER (MANNICH)	BULK	LB.
(new item)	SNF POLYDYNE CLARIFLOC C-321		
66	POLYMER (ANIONIC)	275 GAL.	GAL.
(new item)	SNF POLYDYNE NE-1920	TOTE	
67	POLYMER (CATIONIC)	275 GAL.	GAL.
(new item)	SNF POLYDYNE NE-1921	TOTE	37.2.
68	POYMER (CATIONIC)	275 GAL.	GAL.
(new item)	SNF POYDYNE NE-1922	TOTE	GAL.
69	POLYPHOSPHATE	340 LBS	120
	(STERLING CP-33)	DRUMS	LBS.
(new item)			
70	PHOSPHORIC ACID	15 GAL. DRUM	WET LB.
	75% SOLUTION		
71	POLYALUMINUM CHLORIDE	BULK	GAL
	(HOLLAND PC-H180 or EQUAL)		
72	POLYALUMINUM CHLORIDE	275 GAL TOTE	GAL
	(HOLLAND PC-H180 or EQUAL)		G/ (E
73	POLYALUMINUM CHLORIDE	BULK	GAL.
, 3	(HOLLAND EPIC-WW58 or EQUAL)		GAL.
		Dispersion of the Control of the Con	
74	POLYALUMINUM CHLORIDE		
	(HOLLAND PCH-182 OR	BULK	GAL.
	EQUAL)		
75		BULK	WET LB.
	POTASSIUM HYDROXIDE- 45%	(400–5,000 gal.	
		Deliveries)	
76	5071660000	BULK	
	POTASSIUM HYDROXIDE - 45%	850-1,500 gal -	WET LB
		shorter	
		wheelbase	
~~	DOTACCILINALIVODOVIDO	delivery	
77	POTASSIUM HYDROXIDE- 45%	TOTE	WET LB.
78	POTASSIUM HYDROXIDE- 45%	55 GAL. DRUM	WET LB.
79	POTASSIUM PERMANGANATE	55 LB. DRUM	LB.
	(U.S. ONLY)		
80	POTASSIUM PERMANGANATE	330 LB. DRUM	LB.
	(U.S. ONLY)		LD.

81	POTASSIUM PERMANGANATE (U.S. ONLY)	5 LB. PAILS	LB.
82	POTASSIUM PERMANGANATE (FOREIGN- Alternative Bid)	55 LB. DRUM	LB.
83	POTASSIUM PERMANGANATE (FOREIGN - Alternative Bid)	330 LB. DRUM	LB.
84	POTASSIUM PERMANGANATE (FOREIGN - Alternative Bid)	5 LB. PAILS	LB.
85	SODIUM ALUMINATE- 38% (AWWA B405 – LATEST)	BULK	WET LB.
86	SODIUM BICARBONATE (AWWA/NSF 60)	BULK	DRY LB.
87	SODIUM BICARBONATE (AWWA/NSF 60)	50 LBS. BAG Full Truckload Release	DRY LB.
88	SODIUM BICARBONATE (WASTEWATER)	50 LBS. BAG Full Truckload Release	DRY LB.
89	SODIUM BICARBONATE (WASTEWATER)	50 LBS. BAG Per Pallet	DRY LB.
90	SODIUM BISULFITE- 38% SOLUTION	BULK 1,000 GAL+	WET LB.
91	SODIUM BISULFITE- 38% SOLUTION	MINI-BULK ≤ 800 GAL	WET LB.
92	SODIUM BISULFITE- 38% SOLUTION	55 GAL. DRUM	WET LB.
93	SODIUM METABISULFITE (GRANULAR)	50 LBS BAGS	DRY LB.
94	SODIUM CARBONATE SODA ASH- DENSE	50 LB. BAG	DRY LB.
95	SODIUM CARBONATE SODA ASH -DENSE	SUPER SACKS	DRY LB.
96	SODIUM CARBONATE SODA ASH- DENSE	BULK	DRY LB.
97	SODIUM CHLORIDE	50 LB. BAG	DRY LB.
98	SODIUM CHLORITE – 25% SOLUTION – U.S. ONLY	BULK	WET LB.
99	SODIUM CHLORITE- 25% SOLUTION – U.S. ONLY	55 GAL DRUM	WET LB.

100	SODIUM CHLORITE – 25% FOREIGN (alternate bid)	BULK	WET LB.
101	SODIUM CHLORITE- 25% FOREIGN (alternate bid)	55 GAL DRUM	WET LB.
102	SODIUM CHLORITE – 25% SOLUTION – non-AWWA for wastewater use only	BULK	WET LB.
103	SODIUM CHLORITE- 25% SOLUTION – non-AWWA for wastewater use only	55 GAL DRUM	WET LB.
104	SODIUM CHLORITE – (SAFE-T-CHLOR SOLID)	55 GAL. DRUM	DRY LB.
105	SODIUM FLUORIDE U.S. ONLY	LESS THAN FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
106	SODIUM FLUORIDE U.S ONLY	FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
107	SODIUM FLUORIDE FOREIGN (alternative bid)	LESS THAN FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
108	SODIUM FLUORIDE FOREIGN (alternative bid)	FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
109	SODIUM HEXAMETAPHOSPHATE	50 LB. BAG	DRY LB.
110	Sodium Hexametaphosphate PRISTINE SK-7641	55 GAL DRUM	WET LB.
111	SODIUM HYPOCHLORITE-5%	250 GAL TOTE	WET LB.
112	SODIUM HYPOCHLORITE- 12.5%	5 GAL CARBOYS	WET LB.
113	SODIUM HYPOCHLORITE- 12.5%	500-2,000 gal. BULK	WET LB.
114	SODIUM HYPOCHLORITE- 15%	BULK (400-5,000 gal. deliveries)	WET LB.
	"BLANK"		

115	SODIUM HYPOCHLORITE- 15%	BULK	
	Certified Refrigerated Storage	(400-5,000 gal.	WET LB.
	and Delivery (Alternative Bid)	deliveries)	
116	SODIUM HYPOCHLORITE- 15%	55 GAL. DRUMS	WET LB.
117	SODIUM HYPOCHLORITE – 15%	275 GAL. TOTE	WET.LB.
118	SODIUM HYPOCHLORITE- 15%	30 GAL. CONTAINER	WET LB.
119	SODIUM HYPOCHLORITE- 15%	15 GAL. CONTAINER	WET LB.
120	SODIUM HYPOCHLORITE- 15%	5 GAL. CONTAINER	WET LB.
121	SODIUM HYPOCHLORITE- 15%	1 GAL. CONTAINER	WET LB.
122	SODIUM SILICOFLUORIDE	50 LB. BAG	DRY LB.
123	SODIUM THIOSULFATE (penta- hydrate)	25 KG BAGS	DRY KG.
124	THIOSULPHATE – CALCIUM (30%)	275 GAL TOTE	PER GAL.
125	ZINC HEXAMETAPHOSPHATE (V-937 OR EQUAL	50 LB. BAG	DRY LB.
126	ZINC ORTHOPHOSPHATE (V-970 OR EQUAL)	275 GAL TOTE	WET. LB.
127	ZINC ORTHOPHOSPHATE (V-970 OR EQUAL)	BULK	WET LB.
128	ZINC ORTHOPHOSPHATE	55 GAL. DRUM	WET LB.
129	ZINC ORTHOPHOSPHATE (CARUS 3050 OR EQUAL)	50 LB. PAIL	DRY LB.
130	ZINC ORTHOPHOSPHATE (SHANNON SLC 321 OR CARUS 3180)	30 GAL. DRUMS	GAL.
131	ZINC ORTHOPHOSPHATE (SHANNON SLC 321 OR CARUS 3180)	275 GAL. TOTE	GAL.
132	ZINC ORTHOPHOSPHATE (CARUS 3180 OR EQUAL)	15-GAL PAIL	GAL
133	ZINC ORTHOPHOSPHATE (SLI-932 OR EQUAL)	BULK	WET LB.

134	ZINC ORTHOPHOSPHATE (V-939 OR EQUAL)	BULK	WET LB.
135	ZINC ORTHOPHOSPHATE (UPZ-511 OR EQUAL)	BULK	WET LB.
136	ZINC ORTHOPHOSPHATE (SLI-939 OR EQUAL)	BULK	WET LB.
137	Emergency Pumping and Storage Tanker to support temporary on- site storage for utility that needs to repair containment vessel.	Daily Fee:	Chemicals that bulk pumping and storage will support:

PROPOSAL FROM:	Kemira W	ater Solution	s, Inc.
_	Lawı	321 W. 6th St. cence, KS 66049	
_	le .	is .	
Telephone: (785) 842 to furnish Chemicals understood that the Town res and/or on the basis of the agg	erves the right to n	nake an award base	Kwsna.bids@kemira.com ifications attached, it being further ed on quotations received for any totations received.
The Bidder acknowledges rec	ceipt of the following	ng Addenda: 🌃	ul
Signature:	Ch	Mh	Chun
Sir:			

In accordance with the advertisement of the Northeast/Merrimack Valley Chemical Consortium inviting proposals for furnishing Chemicals in conformity with the attached specifications, I/we hereby certify that I am/we are, the only person (s) interested in this proposal as principal(s); that it is made without collusion with any person, firm, or corporation, that an examination has been made of the specifications; and that the equipment/materials will be delivered within the time specified, at the following prices.

SIGNATURES

(If an Individual)		
Date, 2021		
Signature of Bidder:	(Owner and Proprietor)	(SEAL)
Business Name D/B/A:		
Business Address: (if a co-partnership)		
Date		
Firm Name: Kemira	Water Solutions, Inc.	(SEAL)
Ву:	Commercial Support Ma	ınager
Business Address:	4321 W. 6th St. Lawrence, KS 66049	(SEAL)
Names and Addresses of (if a corporation) See attached list	all Members of Firm	_
Date May 17, 202	1	
Corporate Name: Ke	mira Water Solutions, Inc.	
By: UMM	Commercial Suppor	t Manager
	lent or Authorized Agent*	
Business Address: * Statement of authorization.	4321 W. 6th St. Lawrence, KS 66049 duly signed by proper authority, to be attac	1 11 .
,	and of proper aumority, to be affac	ned hereto.

Attest: Brittung Juris

I certify under the penalty of perjury that I, to the best of my knowledge, have filed all state tax returns and paid all state taxes required under law.

*Signature of Individual or Corporate Name (Mandatory):

By: Corporate Officer (Mandatory, if Applicable):

Kemira Water Solutions, Inc.

Christina M. Imbrogno

Commercial Support Manager

*Approval of a contract or other agreement will not be granted unless this certification clause is signed by the applicant.

WARRANTIES/GUARANTEES

All prospective bidders on items that carry warranties and/or guarantees must include with their sealed proposal a copy of the warranties and/or guarantees of major components as well as a copy of the warranties and/or guarantees on the items being bid/proposal if applicable.

The bidder must make arrangements to assure the owner that the warranties or guarantees can be assigned to the owner. The owner's intent is to use the extent of the coverage in the warranties or guarantees as part of the awarding procedure.

KEMIRA WATER SOLUTIONS, INC. CERTIFICATE OF THE SECRETARY

As of March 23, 2020

The undersigned, Susan B. Radcliffe, hereby certifies that she is the duly elected, qualified and acting Vice President and Secretary of Kemira Water Solutions, Inc., a Delaware corporation (the "Corporation"), and the undersigned hereby further certifies that:

1. As of the date hereof, the persons named below are the duly elected and qualified officers of the Corporation holding the offices set forth opposite their respective names:

Officers	Title	
Michael Cavallero	President	
Paul Kimberling	Vice President, Finance & Accounting, Americas	
Manuel Moreau	Vice President, Manufacturing and Logistics,	
	Coag, I&W, NA	
Kelly Forrester	Director, Supply Chain Management, Americas	
Michael Clark	Vice President, R&D and Technology, Americas	
Jackie Whitehead	Director, Human Resources, Americas	
Kasthuri Ramkumar	Treasurer	
Jason Burleson	Assistant Treasurer	
Susan B. Radcliffe	Vice President & Secretary	
Adisty Wilson	Assistant Secretary	
Robert L. Turner, IV	Assistant Secretary	

- 2. Attached hereto as <u>Exhibit A</u> is a true and correct excerpt from the resolutions adopted by the Board of Directors of the Corporation by Written Consent in Lieu of an Annual Meeting, dated September 17, 2019, which resolutions have not been in any way amended, modified, revoked or rescinded since their adoption and remain in full force and effect as of the date hereof.
- 3. Attached hereto as <u>Exhibit B</u> is a true and correct copy of the resolutions adopted by the Board of Directors of the Corporation by Written Consent in Lieu of a Special Meeting, dated January 1, 2020, which resolutions have not been in any way amended, modified, revoked or rescinded since their adoption and remain in full force and effect as of the date hereof.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of the Secretary as of the date first written above.

Susan B. Radcliffe

Vice President and Secretary

Sunt. Radelfre

EXHIBIT A

Written Consent of the Board of Directors in Lieu of an Annual Meeting, dated September 17, 2019

Removal and Appointment of Officers

RESOLVED, that all of the officers appointed by the Board prior to the date hereof is hereby removed from their respective offices;

FURTHER RESOLVED, that the following named persons be, and hereby are, elected to the offices of the Corporation opposite their respective names, each to serve until his/her successor is duly elected and qualified or his/her earlier resignation or removal:

Name	Title
Tuija Pohjolainen-Hiltunen	President
Paul Kimberling	Vice President, Finance & Accounting, Americas
Manuel Moreau	Director, Coagulants Manufacturing and Logistics Operations, I&W, Americas
Kelly Forrester	Director, Supply Chain Management, Americas
Michael Clark	Vice President, R&D and Technology, Americas
Jackie Whitehead	Director, Human Resources, Americas
Kasthuri Ramkumar	Treasurer
Jason Burleson	Assistant Treasurer
Susan B. Radcliffe	Vice President & Secretary
Adisty Wilson	Assistant Secretary

FURTHER RESOLVED, that the above-named officers are empowered to carry out the day-to-day business of the Corporation, subject to the direction and control of the Corporation's Board; and

FURTHER RESOLVED, that each of the officers of the Corporation be, and each of them, with full authority to act without the others, hereby is, authorized and directed to do and perform, or cause to be done and performed, all such acts, deeds, and things and to make, execute and deliver, or cause to be made, executed and delivered, all such agreement, undertakings, documents, instruments, or certificates in the name and on behalf of the Corporation or otherwise as each such officer may deem necessary or appropriate to effectuate or carry out fully the purpose and intent of the foregoing resolutions.

Signature Authority

FURTHER RESOLVED, that Melanie Lefebvre ("Lefebvre"), Christina Imbrogno ("Imbrogno"), Gayla Walker ("Walker"), Claudine Ouellet ("Ouellet") and Claire Dessureault ("Dessureault"), as authorized persons, are hereby authorized, empowered and directed, by and on behalf of the Corporation to execute and deliver in the name and on behalf of the Corporation product bids and product contracts for the sale of inorganic coagulants to municipal customers and

advanced water treatment customers for the Industry and Water Segment, excluding industrial customers for oil and gas applications.

EXHIBIT B

Written Consent of the Board of Directors in Lieu of a Special Meeting, dated January 1, 2020

Resignation of Officer

NOW, THEREFORE, BE IT RESOLVED, that effective as of January 1, 2020, the resignation of Tuija Pohjolainen-Hiltunen as President of the Corporation is hereby accepted.

Appointment of Officers

FURTHER RESOLVED, that effective as of January 1, 2020, Michael Cavallero be, and hereby is, appointed as President of the Corporation to serve until his successor is duly elected and qualified or until his earlier resignation or removal;

FURTHER RESOLVED, that effective as of January 1, 2020, Robert L. Turner, IV be, and hereby is, appointed as the Assistant Secretary of the Corporation to serve until his successor is duly elected and qualified or until his earlier resignation or removal.

Signature Authority

NOW, THEREFORE, BE IT RESOLVED, that effective as of the date hereof, the signature authority granted by the Board to Melanie Lefebvre, as an authorized person, is hereby rescinded;

FURTHER RESOLVED, that effective as of the date hereof, the signature authority granted by the Board to Claudine Ouellet, as an authorized person, is hereby rescinded;

FURTHER RESOLVED, that effective as of the date hereof, the signature authority granted by the Board to Claire Dessureault, as an authorized person, is hereby rescinded;

Title Change for Officer

WHEREAS, the Board previously appointed Manuel Moreau ("Moreau") as an officer of the Corporation with the title Director, Coagulants Manufacturing and Logistics Operations, I&W, Americas; and

NOW, THEREFORE, BE IT RESOLVED, that effective as of January 1, 2020, Moreau's title shall be changed to Vice President, Manufacturing and Logistics, Coag, I&W, NA and the Board hereby ratifies, confirms and approves Moreau's appointment as an officer of the Corporation.

	ORTHEAST/MERRIMACK FISCAL Y	EAR 2021-20	22	
		AL BID FORM		
DATE:				
DATE:	May 6, 2021			
VENDOR:	Linde Inc.			
NOTE:	BID PRICES MUST BE	PER UNIT SPECIFI	ED ON THIS BID FO	DRM
*Exception	s to bid specifications (on a municipality	basis) are detailed i	the attached bid re	sponse letters.
NO.	CHEMICAL	UNIT TYPE	UNIT BID	PER
1 (NEW ITEM)	ALUMINUM CHLOROHYDRATE (ACH)	55 GAL DRUM		GAL.
2	ALUMINUM CHLOROHYDRATE (ACH)	1,000 GAL. BULK		GAL.
3	ALUMINUM SULFATE - 50% SOLUTION Unrefined Bauxite Ore & Sulfuric Acid Preparation NSF 60/ANSI	BULK (1,000 – 5,000 gallon deliveries)		GALLON
4	ALUMINUM SULFATE - 50% SOLUTION Other Prep Method Alternative Bid NSF 60/ANSI	BULK (1,000 – 5,000 gallon deliveries)		GALLON
5	AMMONIA GAS	150 LB. CYLINDER		LB.
6	AMMONIUM SULFATE	50 LB. BAG		DRY LB.
7	AMMONIIUM SULFATE (40% SOLUTION)	GAL.		GAL.
8	ANTHRACITE	60 <u>+</u> LBS. BAGS		CU.FT.
9	AQUEOUS AMMONIA MUST BE 26° BAUMÉ (29%)	GAL.		GAL.
10	ASCORBIC ACID	55 LB BOX		DRY LB.

11	CALCIQUEST ORTHO (PHOSPHORIC ACID)	30 GAL. DRUM		GAL.
12	CALCIQUEST ORTHO (PHOSPHORIC ACID)	15 GAL. DRUM		GAL.
13	CALCIUM CHLORIDE	50 LB. BAG	от не на при	DRY LB.
14	CALCIUIM CHLORIDE	SUPERSACK		DRY LB.
15	CALCIUM HYPOCHLORITE	PALLET/50 – 50 LBS BAGS		LBS
16	CALCIUM HYPOCHLORITE	LESS THAN PALLET - 50 LBS BAGS		LBS
17	CALCIUM HYPOCHLORITE (Accu-Tab Blue SI by Fillion Associates)	55 LBS PAILS		LBS
18	CALCIUM HYPOCHLORITE (Accu-Tab SI by Axiall LLC)	55 LBS. PAILS		LBS.
19	CALCIUM NITRATE	50 LB. BAG		DRY LB.
20	CARBON DIOXIDE	BULK	\$0.1750	LB.
21	CARBON DIOXIDE	50 LBS BOTTLES		LB.
22	CARBON POWDERED	BULK	er en	TON
23	CARBON POWDERED	SUPERSACK		DRY LB.
24	CAUSTIC SODA- 25% SOLUTION	BULK (500 – 5,000 gallon deliveries)		WET LB.
25	CAUSTIC SODA- 25% SOLUTION	55 GAL. DRUM		WET LB.
26	CAUSTIC SODA - 25 % SOLUTION	275 GAL. TOTE		WET LB.
27	CAUSTIC SODA- 50% SOLUTION	BULK (500 – 5,000 gallon deliveries)		WET LB.

28	CAUSTIC SODA- 50% SOLUTION	275 GAL. TOTE	WET. LB.
29	CHLORINE- DRY (HTH)	50 LB. PAILS	DRY LB.
30	CHLORINE	1 TON CYLINDER	LB.
31	CHLORINE	150 LB. CYLINDER	LB.
32	CITRIC ACID 50%	250 GAL TOTE	WET LB.
33	CITRIC ACID 50%	55 GAL.DRUM	WET LB.
34	CITRIC ACID 50% POWDER	50 LB BAGS/PALLET	DRY LB.
35	COPPER SULFATE	50 LB. BAG	DRY LB.
36	FERRIC CHLORIDE - U.S. ONLY 32%-38%	BULK	DRY LB.
37	FERRIC CHLORIDE - U.S. ONLY 32%-38%	55 GAL. DRUM	DRY LB.
38	FERRIC CHLORIDE - FOREIGN: 32%-38% (alternative bid)	BULK	DRY.LB.
39	FERRIC CHLORIDE- FOREIGN: 32% - 38% (alternative bid)	55 GAL.DRUM	DRY.LB.
40	HYDROFLUOSILICIC ACID- 24%	BULK	WET LB.
41	HYDROFLUOSILICIC ACID- 24%	55 GAL. DRUM	WET LB.
42	HYDROFLUOSILICIC ACID- 24%	270 gallon totes	WET LB.
43	LIME (HYDRATED)	50 LB BAGS	DRY LB.
44	LIQUID OXYGEN	BULK	GAL.
45	LIQUID POLYMER	275 GAL TOTE	GAL.
46	LIQUID POLYPHOSPHATE (CARUS 8500 OR EQUAL)	BULK	WET LB.

47 (new item)	MAGNESIUM HYDROXIDE (58.5-61% DRY SOLIDS)	BULK	GAL.
48	MANGANESE GREENSAND	BULK	CU FT.
49	MANGANESE GREENSAND PLUS (alternate bid)	BULK	CU FT.
50	METHANOL (100%)	55 GAL DRUM	GAL.
51	MURIATIC ACID-20° BAUMÉ	BULK (1,000 – 3,000) gallon delivered	GAL.
52	MURIATIC ACID-20° BAUMÉ INHIBITED - NSF Certified	55 GAL DRUM	GAL.
53	MURIATIC ACID- 20° BAUMÉ	520 LB. DRUM	LB.
54	MURIATIC ACID- 20° BAUMÉ	4, 1-gallon jugs per box	GAL
55	MURIATIC ACID- 10° BAUMÉ	BULK (1,000 to 3,000 gallon deliveries)	GAL.
56	MURIATIC ACID - 15%	TOTE BULK (300-350 gal)	GAL.
57	MURIATIC ACID – 20%	45 GAL CARBOYS	GAL.
58	MURIATIC ACID- 20° BAUMÉ	PUMPTED TOTE (300-350 gal)	GAL.
59 (NEW ITEM)	ORTHOPHOSPHATE (CARUS 4500)	30 GAL DRUMS	GAL.
59A	ORTHO-POLYPHOSPHATE (AQUAMAG OR EQUAL)	BULK (300-500 GAL)	LB.
60	ORTHO-POLYPHOSPHATE (50%-50% Blend)	30 GALLON DRUM	LB.
61	ORTHO-POLYPHOSPHATE (50%-50% Blend) (Aquamag or equal)	55 GALLON DRUM	LB.
62	ORTHO-POLYPHOSPHATE (30%-70% BLEND)	30 GALLON DRUM	LB.
63 (new item)	ORTHO-PHOSPHATE (10%-90% ORTHO/POLY BLEND	55 GALLON DRUM	LB.

64	PHOSPHATE (LIQUID)	30 GALLON	GAL.
	(SHANNON SLI 5225 OR CARUS	DRUMS	
	8100)		
65	POLYMER (MANNICH)	BULK	LB.
(new item)	SNF POLYDYNE CLARIFLOC C-321		
66	POLYMER (ANIONIC)	275 GAL.	GAL.
(new item)	SNF POLYDYNE NE-1920	TOTE	
67	POLYMER (CATIONIC)	275 GAL.	GAL.
(new item)	SNF POLYDYNE NE-1921	TOTE	GAL.
THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NA	POYMER (CATIONIC)	275 GAL.	
68	SNF POYDYNE NE-1922	TOTE	GAL.
(new item)			
69	POLYPHOSPHATE	340 LBS	LBS.
(new item)	(STERLING CP-33)	DRUMS	
70	PHOSPHORIC ACID	15 GAL. DRUM	WET LB.
	75% SOLUTION		
71	POLYALUMINUM CHLORIDE	BULK	GAL
/ 1	(HOLLAND PC-H180 or EQUAL)		JAL
72	POLYALUMINUM CHLORIDE	275 GAL TOTE	GAL
12	(HOLLAND PC-H180 or EQUAL)	275 GALTOIL	GAL
72	POLYALUMINUM CHLORIDE	DILLIA	
73	(HOLLAND EPIC-WW58 or EQUAL)	BULK	GAL.
	(HOLLAND EFIC-WWS8 OF EQUAL)		
74	POLYALUMINUM CHLORIDE		
/4	(HOLLAND PCH-182 OR	BULK	GAL.
	EQUAL)	DOLK	GAL.
75		BULK	WET LB.
/3	POTASSIUM HYDROXIDE- 45%	(400–5,000 gal.	WEI LB.
		Deliveries)	
76		BULK	
, 0	POTASSIUM HYDROXIDE - 45%	850-1,500 gal -	WET LB
1		shorter	***
		wheelbase	
		delivery	
77	POTASSIUM HYDROXIDE- 45%	TOTE	WET LB.
78	POTASSIUM HYDROXIDE- 45%	55 GAL. DRUM	WET LB.
, 0			WEILD.
79	POTASSIUM PERMANGANATE	55 LB. DRUM	LD
13	(U.S. ONLY)	JJ LD. DINOIVI	LB.
00	POTASSIUM PERMANGANATE	220 10 001154	
80	(U.S. ONLY)	330 LB. DRUM	LB.
	(0.3. 014L1)		

0.4	DOTACCIUM A DEDA ANNIO ANNIO	T	The second secon
81	POTASSIUM PERMANGANATE (U.S. ONLY)	5 LB. PAILS	LB.
82	POTASSIUM PERMANGANATE (FOREIGN- Alternative Bid)	55 LB. DRUM	LB.
83	POTASSIUM PERMANGANATE (FOREIGN - Alternative Bid)	330 LB. DRUM	LB.
84	POTASSIUM PERMANGANATE (FOREIGN - Alternative Bid)	5 LB. PAILS	LB.
85	SODIUM ALUMINATE- 38% (AWWA B405 – LATEST)	BULK	WET LB.
86	SODIUM BICARBONATE (AWWA/NSF 60)	BULK	DRY LB.
87	SODIUM BICARBONATE (AWWA/NSF 60)	50 LBS. BAG Full Truckload Release	DRY LB.
88	SODIUM BICARBONATE (WASTEWATER)	50 LBS. BAG Full Truckload Release	DRY LB.
89	SODIUM BICARBONATE (WASTEWATER)	50 LBS. BAG Per Pallet	DRY LB.
90	SODIUM BISULFITE- 38% SOLUTION	BULK 1,000 GAL+	WET LB.
91	SODIUM BISULFITE- 38% SOLUTION	MINI-BULK ≤ 800 GAL	WET LB.
92	SODIUM BISULFITE- 38% SOLUTION	55 GAL. DRUM	WET LB.
93	SODIUM METABISULFITE (GRANULAR)	50 LBS BAGS	DRY LB.
94	SODIUM CARBONATE SODA ASH- DENSE	50 LB. BAG	DRY LB.
95	SODIUM CARBONATE SODA ASH -DENSE	SUPER SACKS	DRY LB.
96	SODIUM CARBONATE SODA ASH- DENSE	BULK	DRY LB.
97	SODIUM CHLORIDE	50 LB. BAG	DRY LB.
98	SODIUM CHLORITE – 25% SOLUTION – U.S. ONLY	BULK	WET LB.
99	SODIUM CHLORITE- 25% SOLUTION – U.S. ONLY	55 GAL DRUM	WET LB.

100	SODIUM CHLORITE – 25% FOREIGN (alternate bid)	BULK	WET LB.
101	SODIUM CHLORITE- 25% FOREIGN (alternate bid)	55 GAL DRUM	WET LB.
102	SODIUM CHLORITE – 25% SOLUTION – non-AWWA for wastewater use only	BULK	WET LB.
103	SODIUM CHLORITE- 25% SOLUTION – non-AWWA for wastewater use only	55 GAL DRUM	WET LB.
104	SODIUM CHLORITE – (SAFE-T-CHLOR SOLID)	55 GAL. DRUM	DRY LB.
105	SODIUM FLUORIDE U.S. ONLY	LESS THAN FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
106	SODIUM FLUORIDE U.S ONLY	FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
107	SODIUM FLUORIDE FOREIGN (alternative bid)	LESS THAN FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
108	SODIUM FLUORIDE FOREIGN (alternative bid)	FULL 40 BAG PALLETS OF 50 LB. BAGS	DRY LB.
109	SODIUM HEXAMETAPHOSPHATE	50 LB. BAG	DRY LB.
110	Sodium Hexametaphosphate PRISTINE SK-7641	55 GAL DRUM	WET LB.
111	SODIUM HYPOCHLORITE-5%	250 GAL TOTE	WET LB.
112	SODIUM HYPOCHLORITE- 12.5%	5 GAL CARBOYS	WET LB.
113	SODIUM HYPOCHLORITE- 12.5%	500-2,000 gal. BULK	WET LB.
114	SODIUM HYPOCHLORITE- 15%	BULK (400-5,000 gal. deliveries)	WET LB.
	"BLANK"		

115	SODIUM HYPOCHLORITE- 15%	BULK	
	Certified Refrigerated Storage and Delivery (Alternative Bid)	(400-5,000 gal. deliveries)	WET LB.
116	SODIUM HYPOCHLORITE- 15%	55 GAL. DRUMS	WET LB.
117	SODIUM HYPOCHLORITE – 15%	275 GAL.	WET.LB.
		TOTE	
118	SODIUM HYPOCHLORITE- 15%	30 GAL. CONTAINER	WET LB.
119	SODIUM HYPOCHLORITE- 15%	15 GAL.	WET LB.
113	13/0	CONTAINER	WEILB.
120	SODIUM HYPOCHLORITE- 15%	5 GAL.	WET LB.
		CONTAINER	
121	SODIUM HYPOCHLORITE- 15%	1 GAL.	WET LB.
	CODUMA OU CODUM	CONTAINER	
122	SODIUM SILICOFLUORIDE	50 LB. BAG	DRY LB.
123	SODIUM THIOSULFATE (penta-	25 KG BAGS	DRY KG.
125	hydrate)	25 KG BAG5	DRY KG.
124	THIOSULPHATE – CALCIUM	275 GAL TOTE	PER GAL.
	(30%)		
125	ZINC HEXAMETAPHOSPHATE (V-937 OR EQUAL	50 LB. BAG	DRY LB.
126	ZINC ORTHOPHOSPHATE	275 GAL TOTE	WET. LB.
120	(V-970 OR EQUAL)	275 GAL TOTE	WEILED.
127	ZINC ORTHOPHOSPHATE	BULK	WET LB.
100	(V-970 OR EQUAL)		
128	ZINC ORTHOPHOSPHATE	55 GAL. DRUM	WET LB.
129	ZINC ORTHOPHOSPHATE	50 LB. PAIL	DRY LB.
	(CARUS 3050 OR EQUAL)		DITI ED.
130	ZINC ORTHOPHOSPHATE	30 GAL. DRUMS	GAL.
	(SHANNON SLC 321 OR CARUS 3180)		
131	ZINC ORTHOPHOSPHATE	275 GAL.	GAL.
	(SHANNON SLC 321 OR CARUS	TOTE	Sept that
122	3180) ZINC ORTHOPHOSPHATE	15 CAL 54 !!	
132	(CARUS 3180 OR EQUAL)	15-GAL PAIL	GAL
133	ZINC ORTHOPHOSPHATE	BULK	WET LB.
	(SLI-932 OR EQUAL)		VV L1 LD.
			1

134	ZINC ORTHOPHOSPHATE (V-939 OR EQUAL)	BULK	WET LB.
135	ZINC ORTHOPHOSPHATE (UPZ-511 OR EQUAL)	BULK	WET LB.
136	ZINC ORTHOPHOSPHATE (SLI-939 OR EQUAL)	BULK	WET LB.
137	Emergency Pumping and Storage Tanker to support temporary on- site storage for utility that needs to repair containment vessel.	Daily Fee:	Chemicals that bulk pumping and storage will support:

PROPOSAL FROM:				
I KOI OSAL FROM:	Linde Inc.			
	7000 High Gi	rove Blvd.		
	Burr Ridge, I	L 60527		
Telephone: (630) 320- to furnish <u>Liquid Carbon I</u> understood that the Town re and/or on the basis of the ag	Dioxide in acco	rdance with	municipalbids@linde.com a specifications attached, it being furt d based on quotations received for an	hei iy
The Bidder acknowledges re	eceipt of the following	g Addenda:	None at the time of this mailing	
Signature:	* Diane M.	mcaro	7	
Exceptions to bid specifications (a	on a municipality basis) a	re detailed in t	the attached hid response latters	

In accordance with the advertisement of the Northeast/Merrimack Valley Chemical Consortium inviting proposals for furnishing Chemicals in conformity with the attached specifications, I/we hereby certify that I am/we are, the only person (s) interested in this proposal as principal(s); that it is made without collusion with any person, firm, or corporation, that an examination has been made of the specifications; and that the equipment/materials will be delivered within the time specified, at the following prices.

Sir:

SIGNATURES

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ereto.

Attest:_	See attached Assistant Secretary's Certificate
I certify and paid	under the penalty of perjury that I, to the best of my knowledge, have filed all state tax returns all state taxes required under law.
*Signatu	are of Individual or Corporate Name (Mandatory): Linde Inc.
By: Cor	porate Officer (Mandatory, if Applicable):
*Approv	val of a contract or other agreement will not be granted unless this certification clause is signed by

WARRANTIES/GUARANTEES

All prospective bidders on items that carry warranties and/or guarantees must include with their sealed proposal a copy of the warranties and/or guarantees of major components as well as a copy of the warranties and/or guarantees on the items being bid/proposal if applicable.

The bidder must make arrangements to assure the owner that the warranties or guarantees can be assigned to the owner. The owner's intent is to use the extent of the coverage in the warranties or guarantees as part of the awarding procedure.

LINDE, INC.

ASSISTANT SECRETARY'S CERTIFICATE

I, Anthony M. Pepper, Assistant Secretary of LINDE, INC., a corporation organized and existing under the laws of the State of Delaware (the "Corporation"), DO HEREBY CERTIFY that the following are true and correct resolutions adopted by the Board of Directors of said Corporation in a Unanimous Consent of Directors dated June 24, 1992, and that said resolutions are still in full force and effect:

RESOLVED, that the general enabling resolutions adopted by the Board on November 8, 1988 are amended and restated in their entirety as follows:

"RESOLVED, that the Chairman, the Chief Executive Officer, the President, any Vice-President, the Chief Financial Officer, the Treasurer, the Secretary, any Assistant Treasurer or any Assistant Secretary of the Corporation is authorized, in the name and on behalf of the Corporation, to execute and deliver any contract, agreement or document, to enter into any commitment or obligation, or to take or do or cause to be taken or done any action or thing, for the conduct of the business of the Corporation in the ordinary course thereof; and be it further

RESOLVED, that the Chief Executive Officer or the President of the Corporation is authorized to appoint executives of a business, division or department of the Corporation, to designate their titles, to fix their compensation, and to prescribe their duties; and be it further

RESOLVED, that the President, or any Vice-President of the Corporation responsible for a business, division or department of the Corporation is authorized to appoint other agents and employees for such component, to designate their titles, if any, to fix their compensation, and to prescribe their duties; and be it further

RESOLVED, that any officer or manager referred to above is authorized to designate in writing one or more employees or representative to do any act or thing which said officer or manager is authorized to do pursuant to the foregoing resolutions; and be it further

RESOLVED, that any person dealing with the Corporation may conclusively rely on a certificate from the Secretary or an Assistant Secretary of the Corporation or on an opinion from an attorney employed by or otherwise representing the Corporation that an officer, manager or other person is authorized to act for the Corporation in a particular matter."

IN WITNESS WHEREOF, I have hereunto set my hand this 25th day of January 2021.

Assistant Secretary

Bullanda.