



IN REPLY  
REFER TO

DNOSC-C3

**DEFENSE LOGISTICS AGENCY**  
DEFENSE NATIONAL STOCKPILE CENTER  
8725 JOHN J. KINGMAN ROAD, SUITE 4616  
FT. BELVOIR, VIRGINIA 22060-6223

February 14, 2001

Dear Prospective Offeror:

On **Wednesday February 28, 2001 at 1:00 PM, local time**, the Defense Logistics Agency, Defense National Stockpile Center, will close Solicitation of Offers DLA-COBALT-007 and consider offers for the sale of approximately 1,061,937.39 pounds of contained cobalt (LBS(Co)) metal in the form of granules, roundelles, and cathodes as identified in Amendment 003 (enclosed) to the solicitation.

The format of this solicitation is negotiated, which allows the Government to discuss issues regarding price, removal period, quantity or any other provision of the solicitation. **However, as always, pursuant to Clause B.9 Negotiation Procedures, the Government may award a contract without discussions with offerors. Therefore, each initial offer should contain your best terms. Exceptions to the terms of the solicitation may render an offer unacceptable if the Government determines award without discussions is in its best interest. Should there be a decision to negotiate, only telephonic and/or facsimile messages shall be used for discussions. NO FACE TO FACE negotiations are authorized or contemplated for this negotiated sale.**

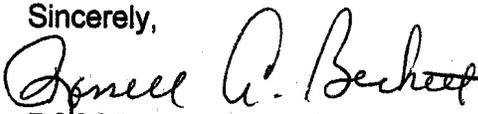
For administrative ease the Government combined two grades of cobalt in the solicitation; however, evaluation for award of each grade of material shall be separate. Offerors are cautioned that any **linking of the two grades of cobalt for evaluation and award shall render an offer unacceptable.**

It is **very important** that you review the revised Sections **B.4 Unit Pricing (FEB 01)**, **B.8 Evaluation of Offers (FEB 01)**, and **E.1 Removal of Material (FEB 01)** included in this amendment. **Exceptions to these terms may render your offer unacceptable.**

Additional copies of this solicitation are available at the DNOSC web site:  
[http://www.dnosc.dla.mil/sales\\_solicitations.htm](http://www.dnosc.dla.mil/sales_solicitations.htm). Inquiries should be addressed to: ATTN: Cobalt Contracting Officer, DNOSC-C, Defense National Stockpile Center, 8725 John J. Kingman Road, Suite 4616, Fort Belvoir, VA 22060-6223, Facsimile No. 703-767-5484.

Thank you for your interest in the Defense National Stockpile program. Should you have any questions or concerns regarding this sale of cobalt metal, please contact the undersigned at 703-767-5402.

Sincerely,

  
ROSSELL A. BECKETT  
Contracting Officer



IN REPLY  
REFER TO

**DEFENSE LOGISTICS AGENCY**  
DEFENSE NATIONAL STOCKPILE CENTER  
8725 JOHN J. KINGMAN ROAD, SUITE 4616  
FT. BELVOIR, VIRGINIA 22060-6223

February 14, 2001

AMENDMENT NO. 003  
TO SOLICITATION OF OFFERS  
FOR COBALT METAL  
DLA-COBALT-007

The above referenced Solicitation for the sale of Cobalt Metal is hereby amended to state the next offering date, update the listing of available material, revise terms as stated herein, and identify what certifications must be submitted with each offer:

1. Any prior amendment to this solicitation is hereby deleted in its entirety.
2. The next offering time and date will be 1:00 PM, local time, Ft. Belvoir, VA, Wednesday, February 28, 2001. Accordingly, Subsection A.1 Introduction (JAN 00) is re-dated as (FEB 01) and paragraph **a.** is deleted in its entirety and replaced by the following:
  - a. The Defense Logistics Agency (DLA), Defense National Stockpile Center (DNSC), is soliciting offers for the sale of approximately 1,061,967.39 pounds of contained cobalt metal (LBS (CO)) for one or more contracts with a contract period not to exceed 360 calendar days. Offers are due at the closing of the solicitation which is set for 1:00 PM, local time, Ft. Belvoir, VA on Wednesday, February 28, 2001. Offers must be received at the address in Section **B.2.a.** by 1:00 PM, local time, Ft. Belvoir, VA. In the event that DNSC is closed at that time, offers for that day will be received at 1:00 PM on the next DNSC business day. Subsequent offers will be due as identified in future amendments to this solicitation.
3. All previous references to "**Section I.2 Item Offer Pages - DLA-COBALT-007 (MAR 00)**," "**Section J.2 Storage Locations (MAR 00)**," and "**Section J.1 Certificates of Analyses and Purchase Specifications**" are deleted and the references "**Section I.2 Item Offer Page - DLA-COBALT-007 (FEB 01)**," "**Section J.1A Cobalt Analysis**," and "**Section J.2 Storage Locations (FEB 01)**" are inserted therefor.
4. All previous Sections **I.2 Item Offer Pages - DLA-COBALT-007 (MAR 00)**, Sections **J.1 Certificates of Analyses and Purchase Specifications**, and Section **J.2 Storage Locations (MAR 00)** are deleted and the attached Section **I.2 Item Offer Page - DLA-COBALT-007 (FEB 01)**, Section **J.1A Cobalt Analysis**, and Section **J.2 Storage Locations (FEB 01)** are inserted therefor.
5. Section **A.2 Description (JUL 97)** and any references thereto are deleted in their entirety and replaced by the following and its appropriate reference:

## A.2 Description (FEB 01)

- a. The cobalt listed in Section **I.2**, item numbers 236-10604, is in the form of granules and rondelles. Cobalt content ranges from 98.637% to 99.079%. The material has been sampled and analyzed by Alex Stewart Assayers. Each production lot or subplot has a Certificate of Analysis. Large production lots ( $\geq 40,000$  lbs. Co) have been divided into sublots. Each subplot is listed separately, with its own item number. Sublots were sampled and analyzed individually, and have their own Certificates of Analysis. The analytical results are tabulated in Section **J.1A**. The storage locations are Binghamton, NY; New Haven, IN; and Warren, OH.
  - b. The cobalt listed in Section **I.2**, item numbers 2070-2077, is in the form of broken electrolytic cathodes, Grade B or better, produced by Gecamines, at Lulu, Shaba, Zaire (c. 1981-1983), and packed in drums (approximately 551 pounds of cathode/drum). The material has been sampled and analyzed by Alex Stewart Assayers. Each production lot has a Certificate of Analysis. Two of the production lots have been divided into sublots. Each subplot is listed separately, with a decimal-numerical suffix added to the item number, and a parenthetical letter suffix added to the lot number. However, the analytical data provided refer to the lot as a whole; sublots were not sampled and analyzed individually. The analytical results are tabulated in Section **J.1A**. The storage location is New Haven, IN.
  - c. Government records indicate that the material conforms to the data provided in paragraph **A.2.a**, Section **I.2**, and Section **J.1A**; however, no warranty or guarantee is made that the material so conforms or that it will be suitable for any particular purpose.
6. Section **B.4 Unit Pricing (JUL 97)** is hereby deleted and replaced with Section **B.4 Unit Pricing (FEB 01)** as shown below:

## B.4 Unit Pricing (FEB 01)

- a. Offerors may submit a fixed price or formula price offer.
- b. The contract period on fixed price offers shall not exceed 90 days.
- c. A fixed price must be used for an entire line item.
- d. Formula priced offers shall be based on a set of published price quotations as set forth below. The formula selected must be used for an entire line item. Offerors shall use the following guidelines when submitting a formula price.
  - (1) A pricing formula shall only be stated either as a percentage of the base price or as a base price plus (or minus) a specified premium (or discount).
  - (2) The base price in a formula shall be determined by the average of the four consecutive weeks (Monday through Friday) of published low quotations for 99.3% cobalt contained metal immediately prior to the pricing date. If a price is not published during any given week, only prices that have been published will be used

in calculating the average. The average will be calculated by adding all the published prices and dividing by the number of prices that were published during the prior four consecutive weeks.

- (3) The actual price for Cobalt shall be determined on the date the Contractor's shipping instructions for a quantity of material are received by the Government. Shipping instructions must contain all of the information specified in Section **F.1.b.** or they will not be accepted by the Government or used for pricing the material. The form to be used for submission of this information may be found at Section **J.3 Shipping Instructions**. *Please note, in accordance with Section **F.1.g.**, shipment must be scheduled to commence within five (5) days of the pricing date.*
- (4) The published quotations which establish the base price for a pricing formula shall be from only one of the following publications: Metal **Bulletin** or **Ryan's Notes: Ferrous and Nonferrous News and Prices**.
- (5) No other formula pricing methods will be acceptable.
- (6) Pricing of any grade of cobalt material shall be by the methodology contained in this section. Also see Section **B.8 Evaluation of Offers**.

7. Section **B.8 Evaluation of Offers (MAR 00)** is hereby deleted and replaced with Section **B.8 Evaluation of Offers (FEB 01)** as detailed below:

#### **B.8 Evaluation of Offers (FEB 01)**

a. General – The evaluation factors are listed below in descending order of importance:

- (1) Unit price.
- (2) Payment terms.
- (3) Removal Schedule.

All evaluation factors other than unit price, when combined, are significantly less important than unit price.

b. To be considered, offers must meet the following minimum requirements:

- (1) Submission of the information requested in Section **B.1**;
- (2) Submission of pricing which complies with the provisions of Section **B.4**;
- (3) Compliance with Section **B.7.d.** (**Note: Any linking of grades of material or line items shall be considered an "all or none" offer and the offer shall not be considered. The Government will evaluate the two grades of material specified in Section A.2.a. and A.2.b. separately.**);
- (4) Submission of a removal schedule which meets or exceeds the provisions of Section **E.1**.

- c. Requests for payment terms will be considered only from offerors with a satisfactory performance and payment record with DNSC and a satisfactory current Dun & Bradstreet Report. The maximum acceptable payment term is Net 30 days from date of receipt by the Government of accurate, current, and complete Shipping Instructions. (See Sections **B.4**, **F.1.g.** and **J.3.**)
  - d. All offers based on a formula price will be evaluated by applying each offeror's premium or discount to the same base price. The base price for evaluation of formula priced offers shall be calculated as follows: The average of the four consecutive weeks (Monday through Friday) of published low quotations for 99.3% cobalt contained immediately prior to the offer date will be determined for both ***Metal Bulletin*** and ***Ryan's Notes: Ferrous and Nonferrous News and Prices***. The results from the two publications will then be averaged and the resulting value will be used as the base price for evaluation.
8. Section **E.1 Removal of Material (JUL 97)** is hereby deleted and replaced with Section **E.1 Removal of Material (FEB 01)** as shown below:

**E.1 Removal of Material (FEB 01)**

- a. The contract period for a fixed price contract shall not exceed 90 calendar days.
- b. The contract period for a formula priced contract shall not exceed 360 calendar days. The material shall be paid for and removed in accordance with the following minimum and maximum quarterly removal requirements:
  - (1) Within each 90-calendar day quarter of the contract period, the Contractor shall pay for and remove at least two pallets or 20% of the Contractor's total award (whichever is greater). Generally, a pallet has five (5) drums, each containing approximately 500 LBS or 2,500 LBS per pallet.
  - (2) All material shall be paid for and removed prior to the end of the contract period; therefore, should the Contractor elect to pay for and remove 20% of the material awarded in each of the first three quarters, the Contractor shall then pay for and remove 40% of the total award in the final quarter of the contract period.
  - (3) Within each 90-calendar day quarter of the contract period, the Contractor shall pay for and remove no more than the quarterly maximum removal quantity specified in the contract.
- c. If the Contractor fails to pay for and remove the material in accordance with the schedule specified in the contract, the Contractor will be considered delinquent and no material will be shipped until payment has been made.
- d. The contract period includes Saturdays, Sundays, and holidays. If the last day of the contract period is a Saturday, Sunday, or holiday, or the storage location is otherwise closed that day, the period of contract performance will be extended to the next Government workday.

9. Offerors shall acknowledge receipt of this Amendment by signing in the space provided below and returning this form and the following “**Submittals for Negotiated Offers**” found at the DNSC homepage on <http://www.dnsc.dla.mil>: Sections **I.1 Sale of Government Property Negotiated Sales Contract, I.3 Certificate of Independent Price Determination (JAN 01)** and **I.4 Certification Regarding Debarment, Suspension, Proposed Debarment, Environmental Compliance and Other Responsibility Matters (JAN 01)** along with your offer on Section **I.2 Item Offer Page -DLA-COBALT-007 (FEB 01)** to:

Attn: DNSC-XO/Bid Custodian  
Defense National Stockpile Center (DNSC)  
8725 John J. Kingman Road,  
Suite 4616 (Mail) or Suite 4528 (Hand delivered)  
Fort Belvoir, VA 22060-6223  
Facsimile No. (703) 767-5541

Failure to acknowledge receipt of the Amendment may result in the offeror being ineligible for award. Except as provided herein, all other terms and conditions of DLA-COBALT-007 remain unchanged and in full force and effect. **Note** to all potential offerors under DNSC sales solicitations: If you have not sent your annual certifications and representations for all DNSC sales, please fax them immediately. These can also be found on the DNSC homepage as “**Annual Certs and Reps Form.**”

NAME OF FIRM: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FACSIMILE: \_\_\_\_\_

COMPLETED BY: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

TITLE: \_\_\_\_\_

WEB PAGE: \_\_\_\_\_ E-MAIL ADDRESS: \_\_\_\_\_

Access to Solicitation of Offers DLA-COBALT-007 and this amendment is available at the DNSC Website: <http://www.dnsc.dla.mil>.

ITEM	STORAGE LOCATION	TYPE	STOCKPILE WEIGHT LBS. (Co) X	UNIT PRICE	TOTAL ITEM PRICE
236	NEW HAVEN, IN	GRANULAR	21,310.97		
242	NEW HAVEN, IN	GRANULAR	23,460.99		
353	NEW HAVEN, IN	GRANULAR	23,473.72		
10001	BINGHAMTON, NY	GRANULAR	21,301.82		
10062	NEW HAVEN, IN	GRANULAR	17,779.75		
10063	NEW HAVEN, IN	GRANULAR	17,796.83		
10064	NEW HAVEN, IN	GRANULAR	17,804.75		
10157	NEW HAVEN, IN	GRANULAR	13,062.62		
10158	NEW HAVEN, IN	GRANULAR	10,687.94		
10159	NEW HAVEN, IN	GRANULAR	10,366.58		
10160	NEW HAVEN, IN	GRANULAR	10,687.73		
10167	NEW HAVEN, IN	GRANULAR	23,461.53		
10174	NEW HAVEN, IN	GRANULAR	25,714.68		
10290	NEW HAVEN, IN	GRANULAR	12,082.23		
10291	NEW HAVEN, IN	GRANULAR	14,241.97		
10292	NEW HAVEN, IN	GRANULAR	14,246.87		
10293	NEW HAVEN, IN	GRANULAR	10,681.68		
10516	WARREN, OH	RONDELLES	32,099.05		
10541	WARREN, OH	RONDELLES	32,549.72		
10547	WARREN, OH	GRANULAR	6,390.38		
10557	NEW HAVEN, IN	GRANULAR	10,682.87		
10558	NEW HAVEN, IN	GRANULAR	10,672.50		
10559	NEW HAVEN, IN	GRANULAR	13,932.84		
10560	NEW HAVEN, IN	GRANULAR	10,676.82		
10561	NEW HAVEN, IN	GRANULAR	9,487.95		
10567	NEW HAVEN, IN	GRANULAR	10,700.04		
10568	NEW HAVEN, IN	GRANULAR	10,572.77		
10569	NEW HAVEN, IN	GRANULAR	10,689.45		
10570	NEW HAVEN, IN	GRANULAR	10,683.73		
10571	NEW HAVEN, IN	GRANULAR	10,685.03		
10599	BINGHAMTON, NY	GRANULAR	4,500.77		
10600	BINGHAMTON, NY	GRANULAR	10,669.47		
10601	BINGHAMTON, NY	GRANULAR	10,670.01		
10602	BINGHAMTON, NY	GRANULAR	10,668.72		
10603	BINGHAMTON, NY	GRANULAR	10,674.55		
10604	BINGHAMTON, NY	GRANULAR	12,624.69		
			527,794.02		

TOTAL BID PRICE: \$ \_\_\_\_\_

Company Name: \_\_\_\_\_

Name & Title: \_\_\_\_\_  
 Authorized Company Official

Signature: \_\_\_\_\_

\_\_\_\_\_ Date

ITEM	STORAGE LOCATION	TYPE	COUNTRY OF ORIGIN	LOT NO.	NO. OF UNITS	BULK WEIGHT	STKPILE WT. (LBS. CO)	UNIT PRICE	TOTAL ITEM PRICE
2070	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-27	120	66,132.70	66,075.83		
2071	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-28	120	66,132.70	66,091.70		
2072	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-30	120	66,132.70	66,081.78		
2073	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-31	120	66,132.70	66,083.76		
2074	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-32	130	71,644.30	71,596.30		
2075	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-35	120	66,132.70	66,083.10		
2076 .1	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-79 (A)	40	22,044.23	22,026.59		
2076 .2	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-79 (B)	32	17,635.39	17,621.28		
2076 .3	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-79 (C)	24	13,226.54	13,215.96		
2076 .4	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-79 (D)	16	8,817.69	8,810.64		
2076 .5	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-79 (E)	8	4,408.85	4,405.32		
2077 .1	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-80 (A)	40	22,044.23	22,027.04		
2077 .2	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-80 (B)	32	17,635.39	17,621.63		
2077 .3	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-80 (C)	24	13,226.54	13,216.22		
2077 .4	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-80 (D)	16	8,817.69	8,810.81		
2077 .5	NEW HAVEN, IN	BROKEN CATHODE	ZAIRE	GS-D00xx-81C-0001-80 (E)	8	4,408.85	4,405.41		
							534,173.37		

Company Name: \_\_\_\_\_

TOTAL BID: \$ \_\_\_\_\_

Name & Title: \_\_\_\_\_

Authorized Company Official

Signature: \_\_\_\_\_

\_\_\_\_\_ Date

ITEM	STORAGE LOCATION	TYPE	COUNTRY OF ORIGIN	LOT NO.	NO. OF UNIT	TYPE	BULK WEIGHT LBS.	STKPILE WT. LBS. (CO)	ANALYSIS																									
									Co	Cu	Bi	Ca	C	Cd	Pb	As	S	Mn	Sb	O	P	Si	Cr	N	Fe	Al	Se	Ni	Zn	Mg	Ge			
236	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-98F	34	BARREL	21,539.50	21,310.97	98.939	0.008	<0.0001	<0.001	0.025	<0.001	0.027	0.020	0.0013	0.034	0.027	0.023	0.00013	0.034	0.004	0.032	0.014	0.002	0.213	0.022	0.0006	0.0005	0.642	0.016	<0.001	<0.0005
242	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-104F	37	BARREL	23,714.50	23,460.99	98.931	0.016	<0.0001	<0.001	0.076	<0.001	0.007	0.023	0.0001	0.034	0.007	0.023	0.0001	0.034	0.006	0.031	0.019	0.003	0.247	0.021	<0.0005	<0.0005	0.566	0.018	<0.001	<0.0005
353	NEW HAVEN, IN	GRANULAR	BASUTOLAND	3925-99F	37	BARREL	23,754.50	23,473.72	98.818	0.010	<0.0001	<0.001	0.019	<0.001	0.011	0.023	0.0018	0.029	0.011	0.023	0.0018	0.029	0.005	0.037	0.016	0.005	0.256	0.043	0.0012	<0.0005	0.705	0.020	<0.001	<0.0005
10001	BINGHAMTON, NY	GRANULAR	BASUTOLAND	0003310-23F	33	BARREL	21,545.50	21,301.82	98.869	0.020	0.0002	0.004	0.024	<0.001	0.038	0.023	0.0006	0.037	0.038	0.023	0.0006	0.037	0.003	0.047	0.006	0.002	0.214	0.033	<0.0005	<0.0005	0.661	0.018	<0.001	<0.0005
10062	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-103G (A)	30	BARREL	17,983.50	17,779.75	98.867	0.014	<0.0001	<0.001	0.024	<0.001	0.029	0.013	0.0015	0.050	0.029	0.013	0.0015	0.050	0.004	0.037	0.009	0.007	0.303	0.027	<0.0005	<0.0005	0.604	0.010	<0.001	<0.0005
10063	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-103G (B)	30	BARREL	17,999.50	17,796.83	98.874	0.014	<0.0001	<0.001	0.024	<0.001	0.029	0.016	0.0014	0.054	0.029	0.016	0.0014	0.054	0.004	0.029	0.008	0.008	0.297	0.022	<0.0005	<0.0005	0.608	0.012	<0.001	<0.0005
10064	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-103G (C)	30	BARREL	17,999.50	17,804.75	98.918	0.014	<0.0001	<0.001	0.008	<0.001	0.017	0.021	0.0015	0.038	0.017	0.021	0.0015	0.038	0.005	0.036	0.009	0.005	0.286	0.024	<0.0005	<0.0005	0.603	0.014	<0.001	<0.0005
10157	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-132G (A)	22	BARREL	13,199.50	13,062.62	98.963	0.005	<0.0001	<0.001	0.050	<0.001	0.018	0.014	0.0004	0.050	0.018	0.014	0.0004	0.050	0.004	0.035	0.007	0.005	0.193	0.026	<0.0005	<0.0005	0.589	0.030	<0.001	<0.0005
10158	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-132G (B)	18	BARREL	10,799.50	10,687.94	98.967	0.005	<0.0001	<0.001	0.057	<0.001	0.007	0.016	0.0005	0.053	0.007	0.016	0.0005	0.053	0.004	0.033	0.008	0.007	0.194	0.021	<0.0005	<0.0005	0.585	0.038	<0.001	<0.0005
10159	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-132G (C)	18	BARREL	10,471.50	10,366.58	98.998	0.005	<0.0001	<0.001	0.024	<0.001	0.018	0.018	0.0006	0.048	0.018	0.018	0.0006	0.048	0.005	0.038	0.008	0.008	0.183	0.023	<0.0005	<0.0005	0.586	0.037	<0.001	<0.0005
10160	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-132G (D)	18	BARREL	10,799.50	10,687.73	98.965	0.005	<0.0001	<0.001	0.062	<0.001	0.006	0.013	0.0005	0.050	0.006	0.013	0.0005	0.050	0.004	0.036	0.006	0.005	0.193	0.032	<0.0005	<0.0005	0.593	0.029	<0.001	<0.0005
10167	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-134F	37	BARREL	23,704.50	23,461.53	98.975	0.004	0.0001	0.005	0.062	<0.001	0.010	0.017	0.0006	0.041	0.010	0.017	0.0006	0.041	0.006	0.033	0.008	0.006	0.216	0.028	<0.0005	<0.0005	0.569	0.019	<0.001	<0.0005

ITEM	STORAGE LOCATION	TYPE	COUNTRY OF ORIGIN	LOT NO.	NO. OF UNIT	TYPE	BULK WEIGHT LBS.	STKPILE WT. LBS. (CO)	ANALYSIS																											
									Co	Cu	Bi	Ca	Fe	Cd	Pb	As	S	Mn	Sb	O	P	Si	Cr	N	Al	Sn	Se	Ni	Zn	Mg	Ge					
10174	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-135F	40	BARREL	25,986.50	25,714.68	98.954	0.004	<0.0001	<0.001	0.065	0.011	0.005	0.0188	0.024	0.030	0.0005	0.040	0.007	0.0188	0.024	0.006	0.006	0.0188	0.024	0.006	0.007	0.0188	0.024	0.006	0.007			
10290	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-102G (A)	21	BARREL	12,215.50	12,082.23	98.909	0.011	<0.0001	<0.001	0.043	0.019	0.006	0.253	0.040	0.040	0.0008	0.034	0.003	0.253	0.045	0.014	0.014	0.006	0.006	0.253	0.045	0.014	0.003	0.253	0.018	0.001	0.0005	
10291	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-102G (B)	24	BARREL	14,399.50	14,241.97	98.906	0.011	<0.0001	<0.001	0.043	0.019	0.006	0.253	0.040	0.040	0.0008	0.034	0.003	0.253	0.045	0.014	0.014	0.006	0.006	0.253	0.045	0.014	0.003	0.253	0.018	0.001	0.0005	
10292	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-102G (C)	24	BARREL	14,399.50	14,246.87	98.940	0.012	<0.0001	<0.001	0.033	0.013	0.006	0.269	0.020	0.045	0.0009	0.026	0.006	0.269	0.043	0.015	0.015	0.006	0.006	0.269	0.043	0.015	0.006	0.269	0.016	0.001	0.0005	
10293	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-102G (D)	18	BARREL	10,799.50	10,681.68	98.909	0.011	<0.0001	<0.001	0.036	0.022	0.006	0.262	0.020	0.043	0.0008	0.046	0.007	0.262	0.044	0.013	0.013	0.006	0.006	0.262	0.044	0.013	0.007	0.262	0.016	0.001	0.0005	
10516	WARREN, OH	RONDELLES	UNKNOWN	0003312-344	59	BARREL	32,449.50	32,099.05	98.920	0.024	0.0002	0.0003	0.181	0.058	0.001	0.083	0.059	0.080	0.0003	0.168	0.004	0.083	0.024	0.001	0.001	0.001	0.083	0.024	0.001	0.004	0.083	0.015	0.054	0.0005	0.0005	
10541	WARREN, OH	RONDELLES	UNKNOWN	331-2342	60	BARREL	32,999.50	32,549.72	98.637	0.027	0.0002	0.0004	0.170	0.020	0.001	0.126	0.054	0.054	0.0003	0.310	0.009	0.126	0.076	0.001	0.001	0.001	0.126	0.076	0.001	0.009	0.126	0.001	0.053	0.0005	0.0005	
10547	WARREN, OH	GRANULAR	UNKNOWN	331-14-162F	10	BARREL	6,462.50	6,390.38	98.884	0.049	0.0001	0.0002	0.037	0.026	0.003	0.143	0.072	0.063	0.0004	0.028	0.003	0.143	0.060	0.003	0.003	0.003	0.143	0.060	0.003	0.003	0.143	0.013	0.001	0.0005	0.0005	
10557	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0003310-101G (A)	18	BARREL	10,799.50	10,682.87	98.920	0.020	0.0001	0.0002	0.009	0.014	0.001	0.267	0.018	0.026	0.0002	0.031	0.003	0.267	0.019	0.005	0.005	0.005	0.267	0.019	0.005	0.003	0.267	0.009	0.009	0.0005	0.0005	
10558	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0003310-101G (B)	18	BARREL	10,799.50	10,672.50	98.824	0.023	0.0001	0.0002	0.006	0.016	0.002	0.288	0.026	0.031	0.0002	0.029	0.003	0.288	0.020	0.012	0.012	0.002	0.002	0.288	0.020	0.012	0.003	0.288	0.014	0.001	0.0005	0.0005
10559	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0003310-101G (C)	24	BARREL	14,097.50	13,932.84	98.832	0.021	0.0001	0.0003	0.008	0.017	0.002	0.273	0.029	0.029	0.0002	0.030	0.003	0.273	0.019	0.011	0.011	0.002	0.002	0.273	0.019	0.011	0.003	0.273	0.012	0.001	0.0005	0.0005
10560	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0003310-101G (D)	18	BARREL	10,799.50	10,676.82	98.864	0.019	0.0001	0.0003	0.008	0.019	0.001	0.289	0.020	0.029	0.0002	0.030	0.003	0.289	0.023	0.014	0.014	0.001	0.001	0.289	0.023	0.014	0.003	0.289	0.011	0.001	0.0005	0.0005

ITEM	STORAGE LOCATION	TYPE	COUNTRY OF ORIGIN	LOT NO.	NO. OF UNIT	TYPE	BULK WEIGHT LBS.	STKPILE WT. LBS. (CO)	ANALYSIS																																															
									Co	Cu	Bi	Ca	98.838	0.020	0.0001	0.009	C	Cd	Pb	As	0.007	<0.001	0.0003	<0.0005	S	Mn	Sb	O	0.018	0.028	0.0002	0.028	P	Si	Cr	N	0.002	0.031	0.017	0.003	Fe	Al	Sn	Se	0.280	0.025	<0.0005	<0.0005	Ni	Zn	Mg	Ge	0.684	0.009	<0.001	<0.0005
10561	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0003310-101G (E)	16	BARREL	9,599.50	9,487.95	Co	98.838	C	0.007	S	0.018	P	0.002	Fe	0.280	Ni	0.684	Cu	0.020	Cd	<0.001	Mn	0.028	Si	0.031	Al	0.025	Zn	0.009	Bi	0.0001	Pb	0.0003	Sb	0.0002	Cr	0.017	Sn	<0.0005	Mg	<0.001	Ca	0.009	As	<0.0005	O	0.028	N	0.003	Se	<0.0005	Ge	<0.0005
10567	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-98G (A)	18	BARREL	10,799.50	10,700.04	Co	99.079	C	0.017	S	0.050	P	0.005	Fe	0.188	Ni	0.497	Cu	0.007	Cd	<0.001	Mn	0.020	Si	0.026	Al	0.028	Zn	0.021	Bi	<0.0001	Pb	<0.0001	Sb	0.0011	Cr	0.017	Sn	<0.0005	Mg	<0.001	Ca	0.002	As	<0.0005	O	0.037	N	0.005	Se	<0.0005	Ge	<0.0005
10568	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-98G (B)	18	BARREL	10,685.50	10,572.77	Co	98.945	C	0.025	S	0.018	P	0.006	Fe	0.198	Ni	0.621	Cu	0.008	Cd	<0.001	Mn	0.024	Si	0.033	Al	0.034	Zn	0.035	Bi	<0.0001	Pb	<0.0001	Sb	0.0011	Cr	0.016	Sn	<0.0005	Mg	<0.001	Ca	0.004	As	<0.0005	O	0.029	N	0.003	Se	<0.0005	Ge	<0.0005
10569	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-98G (C)	18	BARREL	10,799.50	10,689.45	Co	98.981	C	0.038	S	0.017	P	0.004	Fe	0.219	Ni	0.617	Cu	0.010	Cd	<0.001	Mn	0.012	Si	0.023	Al	0.018	Zn	0.016	Bi	<0.0001	Pb	<0.0001	Sb	0.0011	Cr	0.012	Sn	0.0008	Mg	<0.001	Ca	<0.001	As	<0.0005	O	0.028	N	0.003	Se	<0.0005	Ge	<0.0005
10570	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-98G (D)	18	BARREL	10,799.50	10,683.73	Co	98.928	C	0.024	S	0.017	P	0.006	Fe	0.197	Ni	0.617	Cu	0.007	Cd	<0.001	Mn	0.027	Si	0.037	Al	0.039	Zn	0.043	Bi	<0.0001	Pb	<0.0001	Sb	0.0010	Cr	0.021	Sn	<0.0005	Mg	<0.001	Ca	<0.001	As	<0.0005	O	0.032	N	0.004	Se	<0.0005	Ge	<0.0005
10571	NEW HAVEN, IN	GRANULAR	BASUTOLAND	0039251-98G (E)	18	BARREL	10,799.50	10,685.03	Co	98.940	C	0.037	S	0.018	P	0.006	Fe	0.195	Ni	0.608	Cu	0.009	Cd	<0.001	Mn	0.024	Si	0.030	Al	0.042	Zn	0.032	Bi	<0.0001	Pb	<0.0001	Sb	0.0011	Cr	0.019	Sn	<0.0005	Mg	<0.001	Ca	<0.001	As	<0.0005	O	0.035	N	0.004	Se	<0.0005	Ge	<0.0005
10599	BINGHAMTON, NY	GRANULAR	UNKNOWN	0003310-36F	7	BARREL	4,549.50	4,500.77	Co	98.929	C	0.022	S	0.031	P	0.003	Fe	0.219	Ni	0.621	Cu	0.015	Cd	<0.001	Mn	0.025	Si	0.051	Al	0.032	Zn	0.009	Bi	0.0002	Pb	0.0004	Sb	0.0005	Cr	0.003	Sn	<0.0005	Mg	<0.001	Ca	0.003	As	<0.0005	O	0.035	N	0.001	Se	<0.0005	Ge	<0.0005
10600	BINGHAMTON, NY	GRANULAR	BASUTOLAND	0003310-33G (A)	18	BARREL	10,799.50	10,669.47	Co	98.796	C	0.039	S	0.031	P	0.004	Fe	0.230	Ni	0.693	Cu	0.015	Cd	<0.001	Mn	0.032	Si	0.063	Al	0.038	Zn	0.017	Bi	0.0002	Pb	0.0004	Sb	0.0005	Cr	0.003	Sn	<0.0005	Mg	<0.001	Ca	0.004	As	<0.0005	O	0.033	N	0.001	Se	<0.0005	Ge	<0.0005
10601	BINGHAMTON, NY	GRANULAR	BASUTOLAND	0003310-33G (B)	18	BARREL	10,799.50	10,670.01	Co	98.801	C	0.033	S	0.033	P	0.003	Fe	0.235	Ni	0.688	Cu	0.015	Cd	<0.001	Mn	0.028	Si	0.061	Al	0.040	Zn	0.016	Bi	0.0002	Pb	0.0004	Sb	0.0006	Cr	0.003	Sn	<0.0005	Mg	<0.001	Ca	0.004	As	<0.0005	O	0.036	N	0.002	Se	<0.0005	Ge	<0.0005
10602	BINGHAMTON, NY	GRANULAR	BASUTOLAND	0003310-33G (C)	18	BARREL	10,799.50	10,668.72	Co	98.789	C	0.025	S	0.035	P	0.003	Fe	0.240	Ni	0.690	Cu	0.015	Cd	<0.001	Mn	0.031	Si	0.066	Al	0.043	Zn	0.018	Bi	0.0002	Pb	0.0004	Sb	0.0006	Cr	0.003	Sn	<0.0005	Mg	<0.001	Ca	0.004	As	<0.0005	O	0.033	N	0.003	Se	<0.0005	Ge	<0.0005
10603	BINGHAMTON, NY	GRANULAR	BASUTOLAND	0003310-33G (D)	18	BARREL	10,799.50	10,674.55	Co	98.843	C	0.023	S	0.032	P	0.003	Fe	0.236	Ni	0.692	Cu	0.014	Cd	<0.001	Mn	0.026	Si	0.048	Al	0.026	Zn	0.015	Bi	0.0002	Pb	0.0004	Sb	0.0005	Cr	0.003	Sn	<0.0005	Mg	<0.001	Ca	0.003	As	<0.0005	O	0.032	N	0.003	Se	<0.0005	Ge	<0.0005
10604	BINGHAMTON, NY	GRANULAR	BASUTOLAND	0003310-33G (E)	22	BARREL	12,773.50	12,624.69	Co	98.835	C	0.020	S	0.034	P	0.003	Fe	0.246	Ni	0.686	Cu	0.015	Cd	<0.001	Mn	0.027	Si	0.051	Al	0.021	Zn	0.017	Bi	0.0002	Pb	0.0004	Sb	0.0005	Cr	0.004	Sn	<0.0005	Mg	<0.001	Ca	0.003	As	<0.0005	O	0.035	N	0.002	Se	<0.0005	Ge	<0.0005

ITEM	STORAGE LOCATION	COUNTRY OF ORIGIN	LOT NO.	NO. OF UNITS	TYPE	BULK WEIGHT (lbs)	STKPILE WEIGHT (lbs Co)	ANALYSIS (%)																							
								Co	C	S	P	Fe	Ni	Cu	Cd	Mn	Si	Al	Zn	Bi	Pb	Sb	Cr	Sn	Mg	Ca	As	O	N	Se	Ge
2070	NEW HAVEN, IN	CATHODE	ZAIRE	81C-0001-27	120	DRUM	66,132.70	66,075.83	99.914	0.002	<0.001	0.001	<0.001	0.003	0.052	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	0.0002	0.0002	0.0002	<0.001	0.002	<0.0005	<0.0005	<0.0005
2071	NEW HAVEN, IN	CATHODE	ZAIRE	81C-0001-28	120	DRUM	66,132.70	66,091.70	99.938	0.002	<0.001	0.001	<0.001	0.002	0.031	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	0.0002	0.0002	0.0002	<0.001	0.002	<0.0005	<0.0005	<0.0005
2072	NEW HAVEN, IN	CATHODE	ZAIRE	81C-0001-30	120	DRUM	66,132.70	66,081.78	99.923	0.002	<0.001	0.001	<0.001	0.002	0.045	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	0.0002	0.0002	0.0002	<0.001	0.002	<0.0005	<0.0005	<0.0005
2073	NEW HAVEN, IN	CATHODE	ZAIRE	81C-0001-31	120	DRUM	66,132.70	66,083.76	99.926	0.002	<0.001	0.001	<0.001	0.002	0.045	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	0.0002	0.0002	0.0002	<0.001	0.002	<0.0005	<0.0005	<0.0005
2074	NEW HAVEN, IN	CATHODE	ZAIRE	81C-0001-32	130	DRUM	71,644.30	71,596.30	99.933	0.002	<0.001	0.001	<0.001	0.002	0.036	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	0.0002	0.0002	0.0002	<0.001	0.002	<0.0005	<0.0005	<0.0005
2075	NEW HAVEN, IN	CATHODE	ZAIRE	81C-0001-35	120	DRUM	66,132.70	66,083.10	99.925	0.002	<0.001	0.001	<0.001	0.003	0.044	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	0.0002	0.0002	0.0002	<0.001	0.002	<0.0005	<0.0005	<0.0005
2076	NEW HAVEN, IN	CATHODE	ZAIRE	81C-0001-79	120	DRUM	66,132.70	66,079.79	99.920	0.002	<0.001	0.001	<0.001	0.003	0.047	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	0.0002	0.0002	0.0002	<0.001	0.002	<0.0005	<0.0005	<0.0005
2077	NEW HAVEN, IN	CATHODE	ZAIRE	81C-0001-80	120	DRUM	66,132.70	66,081.12	99.922	0.002	<0.001	0.001	<0.001	0.002	0.045	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0001	0.0002	0.0002	0.0002	<0.001	0.002	<0.0005	<0.0005	<0.0005

## J.2 Storage Locations (FEB 01)

<u>Site</u>	<u>Days</u>	<u>Shipping Hours</u>	<u>Transportation Available</u>
New Haven, IN	M - F	7:30 AM – 2:30 PM	Truck & Rail
Warren, OH	M - F	7:30 AM – 2:30 PM	Truck & Rail
Binghamton, NY	M – F	7:30 AM – 2:30 PM	Truck

### Operations and Logistics Division Point of Contact:

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