

COMMODITY INSPECTION REPORT				(X) SALES	() PROCUREMENT
CONTRACT NUMBER SPO833-96-M-0161		COMMODITY (See List below) Rare Earth (Sodium Sulfate)		PROGRAM NDS	INSPECT REPORT NO. 1-F
RELEASE OR S/I NUMBER N/A		LOT NUMBER NH-1 - NH- 4		REGION NUMBER MQW (West)	DATE OF INSPECTION 13 Aug - 5 Sept 96
PURCHASER OR CONTRACTOR N/A (Consignor Ship From)				ADDRESS	
CONSIGNEE OR SUBCONTRACTOR New Haven Depot				ADDRESS New Haven, IN 46774-9644	
PERSON CONTACTED (NAME & TITLE) Frederic W. Brooks Depot Manager				LOCATION OF MATERIAL INSPECTED New Haven Depot New Haven, IN 46774-9644	
INSPECTION, SAMPLING AND ANALYSIS				DESCRIPTION OF PACKING (INCLUDE TYPE OF CONVEYANCE)	
SAMPLES TAKEN () (X) Yes		ANALYSIS (X)		Sampling of Sodium Sulfate per procedure specified by Mr. Giles Lepage in a memo dated 01 July 96 was initiated at the New Haven Depot on 13 Aug 96 and completed 5 Sept 96. Sampling of the following lots under this contract has been completed. Lot # 1 Sample # NH - 1 Lot # 2 Sample # NH - 2 Lot # 3 Sample # NH - 3 Lot # 4 Sample # NH - 4 A one-half (1/2) pound test sample from each lot was shipped to the laboratory on 09Sep96 by Federal Express.	
BY CONTRACT By - MQWE/QA		BY PURCHASER			
SAMPLER/ANALYST		OR CONTRACTOR			
WITNESSED () YES () NO		WITNESSED () YES ((X) NO			
OTHER		TYPES OF ANALYSE			
		NO. UNITS			
		PER			
		PER			
		PER			
INSPECTION		IDENTITY OF SAMPLE			
VISUAL 100 %		FORWARDING DATE			
DIMENSIONAL %		SAMPLE NUMBER			
FOR MARKING 100 %		LOT NUMBER			
DISTRIBUTION OF SAMPLES (GIVE COMPLETE ADDRESS)				DLA/DNSC/MOWE ***	
Laboratory Testing Inc.				Reserve ***	
120 Mill Street PO Box 249				New Haven Depot	
Dublin, PA 18917 215-249-9898				15411 Dawkins Road	
				New Haven, IN 46774-9644	
DESCRIBE METHOD OF INSPECTION, SAMPLING AND/OR SAMPLE PREPARATION (USE ATTACHED SHEETS, IF NECESSARY)					
<p>The Rare Earth Sodium Sulfate Sampling procedure, including attachments, was complied with in its entirety.</p> <p>Eighty (80) drums from each lot was selected at random and opened to obtain a sample. A sample auger was used to take (3) full drum length equal increments from each drum selected per sampling plan, which was received with above procedure.</p> <p>After samples were obtained from the selected drums. all samples increments of the lot were combined to make one (1) gross sample.</p> <p>This gross sample was thoroughly mixed and processed through a (1") sample splitter to a one-half (1/2) pound test sample for the laboratory and a one and one-half (1-1/2) pound reserve sample. The laboratory sample was placed into a clean moisture proof ziploc plastic bag and placed into a pint metal container identified by a DLAH form 34 label. DLAH form 35 containing sample information and instructions was placed inside of shipping container. The reserve sample was placed in separate containers and labeled in a similar manner.</p> <p>All remaining sample material was returned to the drums from which it came prior to resealing the drums. All prescribed health precautions were followed. Pocket dosimeter were provided as well as TLD's during sampling, all records are on file at New Haven Depot.</p>					
Item or LOT NO.	QUANTITY SAMPLED	LAB SAMPLE	SAMPLE NO.	RESERVE SAMPLE	DESCRIPTION OF MATERIAL
LOT # 1	80 Dr.	1/2 Lb.	NH-01-96	1-1/2 Lb.	Rare Earth (Sodium Sulfate) 2,324 Drums of material in storage at New Haven Depot 320 Drums were selected for sampling (4) Samples were processed for the laboratory and shipped by Federal Express on 09Sep96. Note: See Attached DLAH-35 and Radiation sample drum results for the four lots, Lot # (4) was much higher than the other three.
LOT # 2	80 Dr.	1/2 Lb.	NH-02-96	1-1/2 Lb.	
LOT # 3	80 Dr.	1/2 Lb.	NH-03-96	1-1/2 LB	
LOT # 4	80 Dr.	1/2 Lb.	NH-04-96	1-1/2 LB	
REASON FOR REJECTION					
NA					
<input checked="" type="checkbox"/> Q.A. DIVISION <input checked="" type="checkbox"/> ORIGINATING DEPOT <input type="checkbox"/> FINANCE		<input checked="" type="checkbox"/> Q.A. (West) <input type="checkbox"/> STOCKPILE DIVISION <input type="checkbox"/> CONTRACTOR		<input checked="" type="checkbox"/> SUPERVISORY Q.A. (MQWA) <input type="checkbox"/> CONTRACTING OFFICER <input checked="" type="checkbox"/> OTHER (SPECIFY) MQWE	
INSPECTOR (SIGNATURE) Clarence McDaniel, QAS / Bill, Till QAS					DATE 9-Sep-96

RECORD OF SAMPLES TRANSMITTED AND REQUEST FOR ANALYSES

1. DATE 06-Sep-98	2. PURCHASE OR SALES CONTRACT NO. SPO833-98-M-0161	3. EX VESSEL (if any) Federal Express	4. PROGRAM NDS	5. RELEASE NO. N/A
6. MATERIAL (Grade and/or type) Rare Earth (Sodium Sulfate)		7. NUMBER AND ADDRESS OF REGION CONCERNED Defense National Stockpile Center 8725 John J. Kingman Dr., Suite 4528 Fort Belvoir, VA 22060-8223		
8. NAME AND ADDRESS OF ANALYST Laboratory Testing Inc. 120 Mill Street (P.O. Box 249) Dublin, PA 18917 Attn: Lee Dilks 215-249-9898		9. NAME AND ADDRESS OF MATERIAL SUPPLIER/PURCHASER New Haven Depot 15411 Dawkins Road New Haven, IN 46774-9644 219-749-8291		
TO THE ANALYST - It is requested that analyses, including preparation if necessary, in accordance with stated provisions and specifications, be made on samples identified below.				

ANALYSTS SAMPLE NO.	GOVERNMENT SAMPLE NO.	LOT NO. AND MARKS	NUMBER AND TYPE OF UNIT	WEIGHT OF LOT
1 - NH	1	1	one can	1/2 lb.
2 - NH	2	2	one can	1/2 lb.
3 - NH	3	3	one can	1/2 lb.
4 - NH	4	4	one can	1/2 lb.

15. MANNER TRANSMITTED <input type="checkbox"/> TAKEN BY ANALYST <input type="checkbox"/> BY MAIL	16. DETERMINATION <input type="checkbox"/> ALL CHEMICAL AND PHYSICAL REQUIREMENTS OF SPECIFICATION NO.	<input checked="" type="checkbox"/> THE FOLLOWING ONLY Per Contract (SPO833-98-M-0161)
<input type="checkbox"/> DELIVERED DIRECT <input checked="" type="checkbox"/> BY EXPRESS		

17. AUTHORITY <input checked="" type="checkbox"/> SERVICE	OPEN MARKET BASIS <input type="checkbox"/> FOR WHICH NO CONTRACT EXISTS	BY AGREEMENT WITH SUPPLIER <input type="checkbox"/>	OTHER per contract (SPO833-98-M-0161) <input checked="" type="checkbox"/>
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18. PURPOSE <input checked="" type="checkbox"/> GOVERNMENT CONTROL <input type="checkbox"/> UMPIRE <input type="checkbox"/> GENERAL INFORMATION	19. PORTIONS OF THE PREPARED SAMPLES SHALL BE DISTRIBUTED BY ANALYST TO <input type="checkbox"/> UMPIRE (Specify) <input checked="" type="checkbox"/> OTHER (See Remarks)	<input type="checkbox"/> MATERIAL SUPPLIER <input type="checkbox"/> PURCHASER
<input type="checkbox"/> OTHER (Specify)		

20. DATE SAMPLED 13 Aug thru 5 Sept 1996	21. PLACE SAMPLED New Hven Depot	22. DISPOSITION OF SAMPLES Disposal at Lab.
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23. REMARKS (if more space is required, continue on separate sheet)

These four (4) samples are of the only four (4) lots retained at New Haven Depot, IN
There are Reserve Samples of these four (4) lots retained at New Haven Depot, IN (1-1/2 lbs ea.)

24. DISTRIBUTION	
NO.	COPIES OF THIS FORM
ORIGINAL AND TWO (2)	Mail to Analyst Shown Above (if possible, one of these copies shall accompany the sample. One copy shall be completed by analyst and sent to region shown in Item 7.)
1	DIRECT TO REGION IN ITEM 7
1	QUALITY ASSURANCE DIVISION
1	RETAINED BY TRANSMITTER
	OTHER (Specify)

NO.	ANALYSIS CERTIFICATES
	MATERIAL SUPPLIER/PURCHASER
	QUALITY ASSURANCE DIVISION
	REGION SHOWN IN ITEM 7
	OTHER (Specify) Defense National Stockpile Center DNCS-MQ 8725 John J. Kingman Drive, Suite 4528 Fort Belvoir, VA 22060-8223

25. REQUESTS BY (Signature and Title) William J. Till, OAS Clarence McDaniel, OAS	26. RESULTS REQUIRED BY (Date) Per Contract	27. SAMPLES RECEIVED A. BY (Signature) B. DATE
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RADIATION REPORT MONITORING
Rare Earth (Sodium Sulfate)

Clarence McDaniel

MONITOR _____

DATE__ 19-Aug-96

____ Lot # 1

REPORT NO. _____ Sampling

Time	Location	Object Or Person Monitored	Instrument Used	Shield Open / Closed	Distance	Range	Reading	Dose Rate
	Whse - 215 Section - 2	Rare Earth Sodium Sulfate	Fag Meter	N/A	Contact		μ r/hr 210	mr/hr 0.210
	Section Bays				Contact		565	0.565
	Section Bays				Contact		620	0.620
					Contact		685	0.685
					Contact		795	0.795
					Average for five readings was 0.575 mr/hr			
					Above listed readings were taken from inside of the drums.			

Comments:

Background Radiation 0.03 mr/hr maximum reading found.
Condition of storage area is good.
Depot exposure records are maintained and exposure reading are recorded.
Source material license # STC-133 and NRC regulations are posted in the depot office.

RADIATION REPORT MONITORING
Rare Earth (Sodium Sulfate)

MONITOR Clarence McDaniel

DATE 26-Aug-96

Lot # 2

REPORT NO. Sampling

Time	Location	Object Or Person Monitored	Instrument Used	Shield Open / Closed	Distance	Range	Reading	Dose Rate
	Whse - 215 Section - 2	Rare Earth Sodium Sulfate	Fag Meter	N/A	Contact		μ r/hr 400	mr/hr 0.400
	Section Bays				Contact		450	0.450
	Section Bays				Contact		540	0.540
					Contact		650	0.650
					Contact		685	0.685
					Average for five readings was 0.545 mr/hr			
					Above listed readings were taken form inside of the drums.			

Comments:

Background Radiation 0.03 mr/hr maximum reading found.

Condition of storage area is good.

Depot exposure records are maintained and exposure reading are recorded.

Source material license # STC-133 and NRC regulations are posted in the depot office.

RADIATION REPORT MONITORING
Rare Earth (Sodium Sulfate)

MONITOR Clarence McDaniel

DATE 3-Sep-96

Lot # 3

REPORT NO. Sampling

Time	Location	Object Or Person Monitored	Instrument Used	Shield Open / Closed	Distance	Range	Reading	Dose Rate
	Whse - 215 Section - 2	Rare Earth Sodium Sulfate	Fag Meter	N/A	Contact		μ r/hr 305	mr/hr 0.305
	Section Bays				Contact		540	0.540
	Section Bays				Contact		630	0.630
					Contact		750	0.750
					Contact		810	0.810
							Average for five readings was 0.607 mr/hr	
							Above listed readings were taken from inside of the drums.	

Comments:

Background Radiation 0.03 mr/hr maximum reading found.
Condition of storage area is good.
Depot exposure records are maintained and exposure reading are recorded.
Source material license # STC-133 and NRC regulations are posted in the depot office.

RADIATION REPORT MONITORING
Rare Earth (Sodium Sulfate)

Corrected Copy
9/12/96
Note **

MONITOR Clarence McDaniel

DATE 5-Sep-96

Lot # 4

REPORT NO. Sampling

Time	Location	Object Or Person Monitored	Instrument Used	Shield Open / Closed	Distance	Range	Reading	Dose Rate
	Whse - 215 Section - 2	Rare Earth Sodium Sulfate	Fag Meter	N/A	Contact		ur/hr 400	mr/hr 0.400 **
	Section Bays				Contact		525	0.525 **
	Section Bays				Contact		630	0.630
		Radiation was much higher on lot # 4		Drum # 2321	Contact		mr/hr 3.58	mr/hr 3.580
				Drum # 2315	Contact		mr/hr 2.10	mr/hr 2.100
					Average for five readings was 1.447 mr/hr *			
					Above listed readings were taken from inside of the drums.			

Comments:

Background Radiation 0.03 mr/hr maximum reading found.
Condition of storage area is good.
Depot exposure records are maintained and exposure reading are recorded.
Source material license # STC-133 and NRC regulations are posted in the depot office.



DEFENSE LOGISTICS AGENCY
DEFENSE NATIONAL STOCKPILE CENTER
8725 JOHN J. KINGMAN ROAD, SUITE 3339
FT. BELVOIR, VIRGINIA 22060-6223



IN REPLY
REFER TO

DNSC-M

September 24, 1996

MEMORANDUM FOR DNSC-P

SUBJECT: Summary of DNSC Rare Earth Analyses

Enclosed is a summary of the rare earth analyses performed by Laboratory Testing Inc., Dublin, PA. This information should be made available to prospective bidders for their information.

If you need additional information, please contact B.I. Min of my staff.

GILES E. LEPAGE
Director
Directorate of Strategic
Materials Management

Attachment

Orig - QA
CC - Lois

FAX TRANSMITTAL		# of pages 3
To Jud:clerk	From Allen	
Dept/Agency B.I.	Phone #	
Fax #	Fax #	

SUMMARY OF DNSC RARE EARTH (SODIUM SULFATE) ANALYSES

9/24/96

Percent by Weight (Dry Basis)

Elements		Sample ID											
		HM-1 (Lot-1)	HM-2 (Lot-2)	HM-3 (Lot-4)	HM-4 (Lot-5)	HM-5 (Lot-6)	HM-6 (Lot-7)	HM-7 (Lot-8)	HM-8 (Lot-9)	HM-9 (Lot-10)	HM-10 (Lot-11)	HM-11 (Lot-12)	HM-12 (Lot-13)
Rare Earth Oxide	REO	42.515	44.738	42.920	44.209	44.191	44.358	44.533	44.862	43.761	45.858	45.244	44.291
Lanthanum Oxide	La2O3	9.67	10.10	9.79	9.96	9.99	10.13	10.25	10.35	10.12	10.55	10.31	10.14
Cerium Oxide	CeO2	20.60	21.29	20.34	21.21	21.34	21.06	21.25	21.62	20.82	22.11	21.78	21.52
Praseodymium Oxide	Pr2O3	2.54	3.34	3.15	3.29	3.15	3.40	2.93	3.22	3.20	3.37	3.45	3.21
Neodymium Oxide	Nd2O3	7.70	7.91	7.65	7.70	7.74	7.69	7.97	7.61	7.60	7.79	7.68	7.47
Samarium Oxide	Sm2O3	1.21	1.27	1.23	1.27	1.20	1.27	1.29	1.25	1.23	1.25	1.27	1.20
Europium Oxide	Eu2O3	0.010	0.013	0.013	0.013	0.016	0.014	0.009	0.007	0.005	0.009	0.008	0.009
Gadolinium Oxide	Gd2O3	0.466	0.485	0.450	0.459	0.452	0.480	0.506	0.488	0.473	0.480	0.462	0.460
Terbium Oxide	Tb4O7	0.006	0.010	0.008	0.010	0.008	0.011	0.009	0.010	0.010	0.011	0.011	0.010
Dysprosium Oxide	Dy2O3	0.118	0.123	0.113	0.115	0.114	0.117	0.124	0.119	0.117	0.114	0.108	0.108
Holmium Oxide	Ho2O3	0.011	0.009	0.008	0.009	0.008	0.008	0.008	0.007	0.007	0.006	0.006	0.006
Erbium Oxide	Er2O3	0.023	0.021	0.019	0.020	0.021	0.019	0.019	0.019	0.018	0.016	0.016	0.016
Thulium Oxide	Tm2O3	0.003	0.002	<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Ytterbium Oxide	Yb2O3	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Lutetium Oxide	Lu2O3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Yttrium Oxide	Y2O3	0.154	0.161	0.145	0.148	0.147	0.155	0.164	0.158	0.157	0.148	0.139	0.137
Thorium	Th	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.001	0.002	0.002	0.001	0.001
Uranium	U	0.009	0.010	0.009	0.011	0.008	0.012	0.011	0.011	0.014	0.003	0.004	0.003
Sulfur Trioxide	SO3	42.46	44.14	45.66	44.49	44.58	44.30	45.38	45.40	44.92	44.80	44.13	44.95
Phosphate	P2O5	0.881	1.03	0.915	0.913	0.943	0.958	0.878	0.810	0.805	0.832	0.845	0.848
Sodium Oxide	Na2O	9.53	9.63	9.27	8.84	8.98	9.12	9.31	9.33	8.97	8.96	9.15	8.87
Silica	SiO2	0.065	0.056	0.057	0.061	0.065	0.064	0.064	0.065	0.066	0.066	0.062	0.068
Strontium Oxide	SrO	0.008	0.004	0.013	0.016	0.005	0.026	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium Oxide	BaO	0.006	0.005	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Calcium Oxide	CaO	1.24	1.23	1.29	1.16	1.17	1.18	1.28	1.22	1.27	1.31	1.30	1.27
Magnesium Oxide	MgO	0.013	0.018	0.002	0.003	0.004	0.006	<0.001	0.012	0.002	<0.001	<0.001	0.008
Alumina	Al2O3	0.292	0.304	0.296	0.295	0.284	0.284	0.293	0.291	0.292	0.303	0.300	0.298
Ferric Oxide	Fe2O3	0.088	0.108	0.097	0.100	0.089	0.100	0.092	0.085	0.080	0.081	0.077	0.077
Free Moisture (Loss on Drying at 105°C)		0.83	0.76	0.07	0.05	0.02	<0.01	0.03	0.22	0.12	<0.01	<0.01	<0.01
Combined Water (Loss on Drying at 200°C after Drying at 105°C)		3.82	3.58	1.28	1.64	2.10	2.02	2.25	2.04	0.94	3.68	1.12	3.49

Sample ID HM: Hammond Depot, IN and Sample ID NH: New Haven Depot, IN.
Analyses listed are the results of recent sampling and are provided for information only.

SUMMARY OF DNSC RARE EARTH (SODIUM SULFATE) ANALYSES

9/24/96

Percent by Weight (Dry Basis)

Elements		Sample ID									
		HM-13 (Lot-14)	HM-14 (Lot-15)	HM-15 (Lot-16)	HM-16 (Lot-102)	HM-17 (Lot-104)	HM-18 (Lot-106)	NH-1 (Lot-1)	NH-2 (lot-2)	NH-3 (Lot-3)	NH-4 (Lot-4)
Rare Earth Oxide	REO	41.712	42.045	42.132	43.066	41.849	43.719	41.988	41.618	42.649	42.739
Lanthanum Oxide	La2O3	8.73	8.65	8.91	9.02	8.94	9.33	9.38	9.25	8.05	8.92
Cerium Oxide	CeO2	19.85	19.78	19.84	19.85	19.27	20.12	20.17	20.55	21.20	21.39
Praseodymium Oxide	Pr2O3	3.22	3.59	3.51	3.79	3.63	3.92	1.72	1.60	1.85	1.68
Neodymium Oxide	Nd2O3	7.84	7.94	7.81	8.34	8.02	8.21	8.31	8.03	9.04	8.50
Samarium Oxide	Sm2O3	1.30	1.31	1.28	1.29	1.24	1.34	1.45	1.29	1.51	1.37
Europium Oxide	Eu2O3	0.007	0.004	0.006	0.009	0.008	0.010	<0.001	<0.001	<0.001	<0.001
Gadolinium Oxide	Gd2O3	0.470	0.474	0.476	0.472	0.459	0.480	0.723	0.681	0.737	0.657
Terbium Oxide	Tb4O7	0.010	0.013	0.012	0.012	0.012	0.014	0.071	0.078	0.101	0.066
Dysprosium Oxide	Dy2O3	0.111	0.111	0.114	0.111	0.107	0.115	0.137	0.120	0.131	0.115
Holmium Oxide	Ho2O3	0.007	0.007	0.006	0.007	0.007	0.007	<0.001	<0.001	<0.001	<0.001
Erbium Oxide	Er2O3	0.015	0.016	0.016	0.015	0.014	0.016	0.005	0.002	0.011	0.006
Thulium Oxide	Tm2O3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001
Ytterbium Oxide	Yb2O3	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002
Lutetium Oxide	Lu2O3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Yttrium Oxide	Y2O3	0.148	0.146	0.148	0.146	0.138	0.153	0.018	0.014	0.015	0.014
Thorium	Th	0.002	0.002	0.002	0.001	0.001	0.001	0.009	0.007	0.008	0.010
Uranium	U	0.004	0.005	0.004	0.006	0.004	0.005	<0.001	0.004	<0.001	0.004
Sulfur Trioxide	SO3	45.36	44.94	44.61	44.83	43.97	44.71	46.68	47.04	46.76	47.04
Phosphate	P2O5	0.767	0.773	0.843	0.822	0.833	0.922	0.116	0.027	0.028	0.072
Sodium Oxide	Na2O	9.45	9.71	9.19	8.47	8.55	9.03	10.48	9.23	8.69	9.14
Silica	SiO2	0.025	0.022	0.017	0.017	0.016	0.017	0.255	0.230	0.165	0.105
Strontium Oxide	SrO	<0.001	<0.001	<0.001	0.001	0.012	0.007	0.401	0.389	0.415	0.400
Barium Oxide	BaO	0.007	0.004	0.001	<0.001	<0.001	<0.001	0.004	0.010	0.150	0.010
Calcium Oxide	CaO	1.40	1.40	1.32	1.32	1.35	1.34	0.101	0.104	0.100	0.123
Magnesium Oxide	MgO	0.002	0.003	0.003	0.002	0.003	0.006	0.062	0.058	0.064	0.069
Alumina	Al2O3	0.286	0.289	0.287	0.299	0.303	0.309	0.303	0.289	0.306	0.290
Ferric Oxide	Fe2O3	0.077	0.084	0.074	0.064	0.054	0.060	0.027	0.014	0.015	0.027
Free Moisture (Loss on Drying at 105°C)		0.09	0.14	0.03	0.61	0.56	0.69	0.40	0.41	0.27	0.35
Combined Water (Loss on Drying at 200°C after Drying at 105°C)		1.29	0.96	1.92	4.57	4.92	4.88	0.68	0.65	0.17	0.38

Sample ID HM: Hammond Depot, IN and Sample ID NH: New Haven Depot, IN.
Analyses listed are the results of recent sampling and are provided for information only.

P.03

703 607 0271

DNSC-Q

06:57

SEP-25-1996

COMMODITY INSPECTION REPORT				(X) SALES	() PROCUREMENT
CONTRACT NUMBER SPO833-96-M-0161		COMMODITY (See List below) Rare Earth (Sodium Sulfate)		PROGRAM NDS	INSPECT REPORT NO. 1-F
RELEASE OR S/I NUMBER N/A		LOT NUMBER NH-1 - NH- 4		REGION NUMBER MQW (West)	DATE OF INSPECTION 13 Aug - 5 Sept 96
PURCHASER OR CONTRACTOR N/A				ADDRESS	
CONSIGNEE OR SUBCONTRACTOR New Haven Depot				ADDRESS New Haven, IN 46774-9644	
PERSON CONTACTED (NAME & TITLE) Frederic W. Brooks Depot Manager				LOCATION OF MATERIAL INSPECTED New Haven Depot New Haven, IN 46774-9644	
INSPECTION, SAMPLING AND ANALYSIS				DESCRIPTION OF PACKING (INCLUDE TYPE OF CONVEYANCE)	
SAMPLES TAKEN () (X) Yes		ANALYSIS (X)		Sampling of Sodium Sulfate per procedure specified by Mr. Giles Lepage in a memo dated 01 July 96 was initiated at the New Haven Depot on 13 Aug 96 and completed 5 Sept 96.	
BY CONTRACT By - MQWE/QA		BY PURCHASER			
SAMPLER/ANALYST		OR CONTRACTOR			
WITNESSED () YES () NO		WITNESSED () YES ((X) NO			
OTHER		TYPES OF ANALYSE			
		NO. UNITS		Sampling of the following lots under this contract has been completed. Lot # 1 Sample # NH - 1 Lot # 2 Sample # NH - 2 Lot # 3 Sample # NH - 3 Lot # 4 Sample # NH - 4 A one-half (1/2) pound test sample from each lot was shipped to the laboratory on 09Sep96 by Federal Express.	
INSPECTION		IDENTITY OF SAMPLE			
VISUAL 100 %		FORWARDING DATE			
DIMENSIONAL %		SAMPLE NUMBER			
FOR MARKING 100 %		LOT NUMBER			
DISTRIBUTION OF SAMPLES (GIVE COMPLETE ADDRESS)				DLA/DNSC/MOWE ***	
Laboratory Testing Inc. 120 Mill Street PO Box 249 Dublin, PA 18917 215-249-9898				Reserve *** New Haven Depot 15411 Dawkins Road New Haven, IN 46774-9644	
DESCRIBE METHOD OF INSPECTION, SAMPLING AND/OR SAMPLE PREPARATION (USE ATTACHED SHEETS, IF NECESSARY)					
<p>The Rare Earth Sodium Sulfate Sampling procedure, including attachments, was complied with in its entirety. Eighty (80) drums from each lot was selected at random and opened to obtain a sample. A sample auger was used to take (3) full drum length equal increments from each drum selected per sampling plan, which was received with above procedure. After samples were obtained from the selected drums, all samples increments of the lot were combined to make one (1) gross sample. This gross sample was thoroughly mixed and processed through a (1") sample splitter to a one-half (1/2) pound test sample for the laboratory and a one and one-half (1-1/2) pound reserve sample. The laboratory sample was placed into a clean moisture proof ziploc plastic bag and placed into a pint metal container identified by a DLAH form 34 label. DLAH form 35 containing sample information and instructions was placed inside of shipping container. The reserve sample was placed in separate containers and labeled in a similar manner. All remaining sample material was returned to the drums from which it came prior to resealing the drums. All prescribed health precautions were followed. Pocket dosimeter were provided as well as TLD's during sampling, all records are on file at New Haven Depot.</p>					
Item or LOT NO.	QUANTITY SAMPLED	LAB SAMPLE	SAMPLE NO.	RESERVE SAMPLE	DESCRIPTION OF MATERIAL
LOT # 1	80 Dr.	1/2 Lb.	NH-01-96	1-1/2 Lb.	Rare Earth (Sodium Sulfate) 2,324 Drums of material in storage at New Haven Depot 320 Drums were selected for sampling (4) Samples were processed for the laboratory and shipped by Federal Express on 09Sep96. Note: See Attached DLAH-35 and Radiation sample drum results for the four lots, Lot # (4) was much higher than the other three.
LOT # 2	80 Dr.	1/2 Lb.	NH-02-96	1-1/2 Lb.	
LOT # 3	80 Dr.	1/2 Lb.	NH-03-96	1-1/2 LB	
LOT # 4	80 Dr.	1/2 Lb.	NH-04-96	1-1/2 LB	
REASON FOR REJECTION					
NA					
<input checked="" type="checkbox"/> Q.A. DIVISION <input checked="" type="checkbox"/> Q.A. (West) <input checked="" type="checkbox"/> SUPERVISORY Q.A. (MQWA) <input checked="" type="checkbox"/> DISTRIBUTION <input type="checkbox"/> STOCKPILE DIVISION <input type="checkbox"/> CONTRACTING OFFICER <input type="checkbox"/> FINANCE <input type="checkbox"/> CONTRACTOR <input checked="" type="checkbox"/> OTHER (SPECIFY) MQWE					
INSPECTOR (SIGNATURE) Clarence McDaniel, QAS / Bill, Till QAS					DATE 9-Sep-96

RECORD OF SAMPLES TRANSMITTED AND REQUEST FOR ANALYSES

1. DATE 06-Sep-96	2. PURCHASE OR SALES CONTRACT NO. SPO833-96-M-0161	3. EX VESSEL (if any) Federal Express	4. PROGRAM NDS	5. RELEASE NO. N/A
6. MATERIAL (Grade and/or type) Rare Earth (Sodium Sulfate)		7. NUMBER AND ADDRESS OF REGION CONCERNED Defense National Stockpile Center 8725 John J. Kingman Dr., Suite 4528 Fort Belvoir, VA 22060-8223		
8. NAME AND ADDRESS OF ANALYST Laboratory Testing Inc. 120 Mill Street (P.O. Box 249) Dublin, PA 18917 Attn: Lee Dilks 215-249-9898		9. NAME AND ADDRESS OF MATERIAL SUPPLIER/PURCHASER New Haven Depot 15411 Dawkins Road New Haven, IN 46774-9644 219-749-8291		

TO THE ANALYST - It is requested that analyses, including preparation if necessary, in accordance with stated provisions and specifications, be made on samples identified below.

ANALYSTS SAMPLE NO.	GOVERNMENT SAMPLE NO.	LOT NO. AND MARKS	NUMBER AND TYPE OF UNIT	WEIGHT OF LOT
1 - NH	1	1	one can	1/2 lb.
2 - NH	2	2	one can	1/2 lb.
3 - NH	3	3	one can	1/2 lb.
4 - NH	4	4	one can	1/2 lb.

15. MANNER TRANSMITTED <input type="checkbox"/> TAKEN BY ANALYST <input type="checkbox"/> BY MAIL	<input type="checkbox"/> DELIVERED DIRECT <input checked="" type="checkbox"/> BY EXPRESS	16. DETERMINATION <input type="checkbox"/> ALL CHEMICAL AND PHYSICAL REQUIREMENTS OF SPECIFICATION NO.	<input checked="" type="checkbox"/> THE FOLLOWING ONLY Per Contract (SPO833-96-M-0161)
--	---	---	---

17. AUTHORITY <input checked="" type="checkbox"/> SERVICE	OPEN MARKET BASIS <input type="checkbox"/> FOR WHICH NO CONTRACT EXISTS	<input type="checkbox"/> BY AGREEMENT WITH SUPPLIER	<input checked="" type="checkbox"/> OTHER per contract (SPO833-96-M-0161)
--	---	--	--

18. PURPOSE <input checked="" type="checkbox"/> GOVERNMENT CONTROL <input type="checkbox"/> UMPIRE <input type="checkbox"/> GENERAL INFORMATION	<input type="checkbox"/> OTHER (Specify)	19. PORTIONS OF THE PREPARED SAMPLES SHALL BE DISTRIBUTED BY ANALYST TO <input type="checkbox"/> UMPIRE (Specify) <input checked="" type="checkbox"/> OTHER (See Remarks)	<input type="checkbox"/> MATERIAL SUPPLIER <input type="checkbox"/> PURCHASER
--	--	---	---

20. DATE SAMPLED 13 Aug thru 5 Sept 1996	21. PLACE SAMPLED New Haven Depot	22. DISPOSITION OF SAMPLES Disposal at Lab.
---	--------------------------------------	--

23. REMARKS (if more space is required, continue on separate sheet)

These four (4) samples are of the only four (4) lots retained at New Haven Depot, IN
There are Reserve Samples of these four (4) lots retained at New Haven Depot, IN (1-1/2 lbs ea.)

24. DISTRIBUTION		ANALYSIS CERTIFICATES	
NO.	COPIES OF THIS FORM	NO.	MATERIAL SUPPLIER/PURCHASER
ORIGINAL AND TWO (2)	Mail to Analyst Shown Above (if possible, one of these copies shall accompany the sample. One copy shall be completed by analyst and sent to region shown in item 7.)		QUALITY ASSURANCE DIVISION
1	DIRECT TO REGION IN ITEM 7		REGION SHOWN IN ITEM 7
1	QUALITY ASSURANCE DIVISION		OTHER (Specify)
1	RETAINED BY TRANSMITTER		Defense National Stockpile Center
	OTHER (Specify)		DNCS-MQ
			8725 John J. Kingman Drive, Suite 4528
			Fort Belvoir, VA 22060-8223

25. REQUESTS BY (Signature and Title) William J. Till, QAS Clarence McDaniel, QAS	26. RESULTS REQUIRED BY (Date) Per Contract	27. SAMPLES RECEIVED A. BY (Signature) B. DATE
---	--	--

RADIATION REPORT MONITORING
Rare Earth (Sodium Sulfate)

MONITOR Clarence McDaniel

DATE 19-Aug-96

Lot # 1

REPORT NO. Sampling

Time	Location	Object Or Person Monitored	Instrument Used	Shield Open / Closed	Distance	Range	Reading	Dose Rate
	Whse - 215 Section - 2	Rare Earth Sodium Sulfate	Fag Meter	N/A	Contact		μ r/hr 210	mr/hr 0.210
	Section Bays				Contact		565	0.565
	Section Bays				Contact		620	0.620
					Contact		685	0.685
					Contact		795	0.795
					Average for five readings was 0.575 mr/hr			
					Above listed readings were taken from inside of the drums.			

Comments:

Background Radiation 0.03 mr/hr maximum reading found.
Condition of storage area is good.
Depot exposure records are maintained and exposure reading are recorded.
Source material license # STC-133 and NRC regulations are posted in the depot office.

RADIATION REPORT MONITORING
Rare Earth (Sodium Sulfate)

Clarence McDaniel

MONITOR _____

DATE__ 26-Aug-96

Lot # 2

REPORT NO. _____ Sampling

Time	Location	Object Or Person Monitored	Instrument Used	Shield Open / Closed	Distance	Range	Reading	Dose Rate
	Whse - 215 Section - 2	Rare Earth Sodium Sulfate	Fag Meter	N/A	Contact		μ r/hr 400	mr/hr 0.400
	Section Bays				Contact		450	0.450
	Section Bays				Contact		540	0.540
					Contact		650	0.650
					Contact		685	0.685
					Average for five readings was 0.545 mr/hr			
					Above listed readings were taken form inside of the drums.			

Comments:

- Background Radiation 0.03 mr/hr maximum reading found.
- Condition of storage area is good.
- Depot exposure records are maintained and exposure reading are recorded.
- Source material license # STC-133 and NRC regulations are posted in the depot office.

RADIATION REPORT MONITORING
Rare Earth (Sodium Sulfate)

Clarence McDaniel

MONITOR _____

DATE__ 3-Sep-96

Lot # 3

REPORT NO. _____ Sampling

Time	Location	Object Or Person Monitored	Instrument Used	Shield Open / Closed	Distance	Range	Reading	Dose Rate
	Whse - 215 Section - 2	Rare Earth Sodium Sulfate	Fag Meter	N/A	Contact		μ r/hr 305	mr/hr 0.305
	Section Bays				Contact		540	0.540
	Section Bays				Contact		630	0.630
					Contact		750	0.750
					Contact		810	0.810
							Average for five readings was 0.607 mr/hr	
							Above listed readings were taken from inside of the drums.	

Comments:

Background Radiation 0.03 mr/hr maximum reading found.

Condition of storage area is good.

Depot exposure records are maintained and exposure reading are recorded.

Source material license # STC-133 and NRC regulations are posted in the depot office.

RADIATION REPORT MONITORING
Rare Earth (Sodium Sulfate)

Corrected Copy
9/12/96
Note **

MONITOR Clarence McDaniel

DATE 5-Sep-96

Lot # 4

REPORT NO. _____ Sampling

Time	Location	Object Or Person Monitored	Instrument Used	Shield Open / Closed	Distance	Range	Reading	Dose Rate
	Whse - 215 Section - 2	Rare Earth Sodium Sulfate	Fag Meter	N/A	Contact		ur/hr 400	mr/hr 0.400 **
	Section Bays				Contact		525	0.525 **
	Section Bays				Contact		630	0.630
		Radiation was much higher on lot # 4		Drum # 2321	Contact		mr/hr 3.58	mr/hr 3.580
				Drum # 2315	Contact		mr/hr 2.10	mr/hr 2.100
					Average for five readings was 1.447 mr/hr			
					Above listed readings were taken from inside of the drums.			

Comments:

- Background Radiation 0.03 mr/hr maximum reading found.
- Condition of storage area is good.
- Depot exposure records are maintained and exposure reading are recorded.
- Source material license # STC-133 and NRC regulations are posted in the depot office.

RADIATION MONITORING REPORT

MONITORS Clarence McDaniel

DATE _____

Control# 3492

REPORT NUMBER 80

TIME	LOCATION	OBJECT OR PERSON MONITORED	INSTRUMENT USED	SHIELD		DISTANCE	RANGE	READING	DOSE RATE
				OPEN	CLOSED				
	Warehouse Loc.	Rare Earth, Sodium	Eberline-E-120		X	Contact	X 1	3	0.3 mr/hr
	215 Section 2	Sulfate	Geiger Counter		X	Contact	X 1	4	0.4 mr/hr
	Bays, 36,41, 42, 46, 52, 53, 54,and 82				X	Contact	X 1	8	0.8 mr/hr
		BACKGROUND RADIATION	0.02 -- 0.03 mr/hr						

comments:

MAXIMUM READING FOUND.
 CONDITION OF STORAGE AREA IS GOOD.
 DEPOT PERSONNEL EXPOSURE RECORDS ARE MAINTAINED AND EXPOSURE READING ARE RECORDED.
 SOURCE MATERIAL LICENSE STC-133 AND NRC REGULATIONS ARE POSTED IN DEPOT OFFICE.

RADIATION MONITORING REPORT

MONITORS Clarence McDaniel

DATE _____

Control# 3492

REPORT NUMBER 80

TIME	LOCATION	OBJECT OR PERSON MONITORED	INSTRUMENT USED	SHIELD		DISTANCE	RANGE	READING	DOSE RATE
				OPEN	CLOSED				
	Warehouse Loc.	Rare Earth, Sodium	Eberline-E-120		X	Contact	X 1	3	0.3 mr/hr
	215 Section 2	Sulfate	Geiger Counter		X	Contact	X 1	4	0.4 mr/hr
	Bays, 36,41, 42, 46, 52, 53, 54, and 82				X	Contact	X 1	8	0.8 mr/hr
		BACKGROUND RADIATION	0.02 -- 0.03 mr/hr						

comments:

MAXIMUM READING FOUND.
 CONDITION OF STORAGE AREA IS GOOD.
 DEPOT PERSONNEL EXPOSURE RECORDS ARE MAINTAINED AND EXPOSURE READING ARE RECORDED.
 SOURCE MATERIAL LICENSE STC-133 AND NRC REGULATIONS ARE POSTED IN DEPOT OFFICE.

CODE- 461

NOTIFICATION OF STOCKPILE INSPECTION

3492

1. NAME AND LOCATION OF DEPOT OR FACILITY DLA/DNSZ New Haven Depot, IN 46774-9644		2. NAME AND TYPE OF COMMODITY <i>Rare Rear Earth</i> Sodium Sulphate		3. SERIAL NO. 81
D	A. LAST	5. TYPE OF STORAGE AND SPECIFIC DEPOT AREA Warehouse Location - 215 Section - 2 Bays 36, 41, 42, 48 52, 53, 54 and 62 <i>46</i>		
A	15-Aug-95			
T	B. THIS			
E	6-Mar-96			
7. NAME AND TITLE OF PERSON RESPONSIBLE FOR MATERIAL FREDERIC W. BROOKS, DEPOT MANAGER			7A. TEL NO. OR CODE 219 740-5953	7B. EXTENSION

INSPECTION DATA (Check and complete. Explain negative responses.)				YES	NO
8. STORAGE	A. Storage Facilities Are of the Type Prescribed in the Storage Manual			X	
	B. Storage Facilities Are Maintained in Good Order.			X	
9. MATERIAL	A. Material Is Stored in the Manner Prescribed in the Storage Manual.			X	
	B. Material Is Free of Detonation, Infestation, Contamination, Commingling, Migration and Erosion.			X	
10. RECORDS	A. Depot Manager Confirmed that all entries have been Posted.			X	
	B. Depot Postings indicate Last RRR No. 16408 Dated 14-Oct-57				
			Last CSR No. 18088 Dated 9-Sep-83		
11. UNITS	Quantity indicated in Item 14. reflects Depot Postings and agrees with actual and/or computed count.			X	
12. SECURITY AND FIRE PROTECTION	Security and Fire Protection are being provided in accordance with Quality Assurance and Materials Inspection Handbook and Storage Manual Requirements.			X	
13. CONTAINERS, PILES OR OTHER UNITS	A. Material is Stored in Proper Containers (Check only if applicable)			X	
	B. All containers, Piles and/or Units Are Marked as Prescribed in the Storage Manual.			X	
	C. Condition of Containers (Give exact number in Class III under remarks)			(1) CLASS I 100%	(2) CLASS II %

14. DESCRIPTION OF CONTAINERS, PILES, OR OTHER UNITS									
PRO-GRAM a.	TYPE (Pile, case, ingot, bale, etc.)	WIDTH c.	LENGTH d.	HEIGHT e.	DIAM-ETER	g. WEIGHT OF UNIT		TOTAL NUMBER OF UNITS	I. TOTAL LBS WEIGHT
						(1) GROSS	(2) NET		
NDS	55 gallon galvanized drums			34"	24"	756	700	2,324	1,593,113.5

15. REMARKS (Review all other appropriate questions contained in "guide for the inspection of stockpiled materials and storage facilities," and, if deficiencies are found, give the appropriate guide numbers and complete details in this block)

Computed count agrees with the depot 46 record card.
 Material is stored on wood flat pallets.
 Slacks and storage areas are in good condition, dry and clean.
 "Radiation signs are posted"

Note: Radiation survey report is attached.

16. RECOMMENDATIONS (Not to be construed by storage depot or facility as authorization to proceed with remedial measures beyond the scope of usual authority)

None

36 = 188 #1 53 = 318 #2
 41 = 105 #4 54 = 276 #2
 42 = 448 #4 46 = 435 #1
 52 = 315 #3 62 = 239 #3

17. DISTRIBUTION	<input checked="" type="checkbox"/>	Q. A. DIVISION	<input checked="" type="checkbox"/>	Q. A. ZONE BRANCH	<input type="checkbox"/>	SUPERVISORY Q.A.
	<input checked="" type="checkbox"/>	ORIGINATING DEPOT	<input checked="" type="checkbox"/>	STOCKPILE OP. DIVISION	<input type="checkbox"/>	CONTRACTING OFFICER
	<input type="checkbox"/>	FINANCE	<input type="checkbox"/>	CONTRACTOR	<input checked="" type="checkbox"/>	OTHER <i>HMQB</i>

18. NAME OF INSPECTOR William J. Till, QAS	(Type or print)	18A. SIGNATURE <i>Wm J. Till</i>	18. DATE OF SIGNATURE 8-Mar-96
---	-----------------	-------------------------------------	-----------------------------------

CA 5/16/95

Inter-Office Memorandum

*Ham Q.
HNS
HNSA/
B*

IN REPLY

REFER TO **DNSC-Q (B.I. Min/x73187)**

9-May-95

SUBJECT: Summary of DNSC Rare Earth (Sodium Sulfates) Analyses

TO: DNSZ-HM

1. Enclosed is a summary of rare earth (sodium sulfates) analyses performed by Luvak Inc., Boylston, MA. Thank you for your assistance.
2. If you have any questions, please contact B.I. Min of my staff.

GILES E. LEPAGE
 Director
 Directorate of Quality Assurance
 & Technical Services

Encl

RECEIVED
 1995 MAY 16 AM 10:30
 DLA/DL
 11-1100
 11-1100
 11-1100

*17 May 95
 Jmot
 WMS*

011110

SUMMARY OF DNSC RARE EARTH (SODIUM SULFATE) ANALYSES

Percent by Weight (Dry Basis)

9-May-95

Elements		Sample ID						
		1	2	3	4	FORE 95	BRAZ 95	DOME 95
Rare Earth Oxide	REO	47.82	45.67	47.62	49.19	44.72	43.44	44.24
Lanthanum Oxide	La2O3	11.12	10.79	9.21	9.66	11.01	10.29	10.36
Cerium Oxide	CeO2	22.25	21.35	22.82	22.93	20.45	20.60	20.97
Praseodymium Oxide	Pr2O3	3.08	2.91	3.37	3.70	2.65	2.60	2.83
Neodymium Oxide	Nd2O3	8.95	8.56	9.61	10.29	8.29	7.85	8.02
Samarium Oxide	Sm2O3	1.61	1.37	1.65	1.62	1.39	1.35	1.32
Europium Oxide	Eu2O3	0.02	0.01	0.02	0.02	0.02	0.02	0.02
Gadolinium Oxide	Gd2O3	0.46	0.41	0.55	0.61	0.54	0.36	0.37
Terbium Oxide	Tb4O7	0.08	0.07	0.09	0.10	0.09	0.07	0.08
Dysprosium Oxide	Dy2O3	0.08	0.07	0.11	0.11	0.11	0.14	0.10
Holmium Oxide	Ho2O3	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Erbium Oxide	Er2O3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thulium Oxide	Tm2O3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ytterbium Oxide	Yb2O3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lutetium Oxide	Lu2O3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Yttrium Oxide	Y2O3	0.15	0.11	0.17	0.13	0.15	0.14	0.15
Thorium	Th	0.07	0.05	0.07	0.17	0.05	0.04	0.04
Uranium	U	<0.01	0.02	<0.01	<0.01	0.01	0.04	0.02
Sulfur Trioxide	SO3	44.45	45.94	45.94	46.19	41.95	43.70	44.20
Phosphate	P2O5	0.06	0.01	0.01	0.02	0.85	0.92	0.76
Sodium Oxide	Na2O	9.67	10.72	9.26	9.46	8.37	8.82	9.19
Silica	SiO2	0.08	0.04	0.05	0.03	0.16	0.02	0.04
Strontium Oxide	SrO	0.05	0.04	0.05	0.05	0.05	0.04	0.04
Barium Oxide	BaO	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01
Calcium Oxide	CaO	0.17	0.13	0.12	0.11	1.20	1.04	1.20
Magnesium Oxide	MgO	0.01	<0.01	0.01	0.01	0.01	0.01	<0.01
Alumina	Al2O3	0.01	0.02	0.02	0.02	0.02	0.02	0.03
Ferric Oxide	Fe2O3	0.02	0.01	0.01	<0.01	0.06	0.10	0.08
Free Moisture (Loss on Drying at 105 C)		0.17	0.37	0.11	0.12	0.62	0.26	<0.01
Combined Water (Loss on Drying at 200 C after Drying at 105 C)		0.82	0.78	0.35	0.51	4.32	3.18	2.80

Sample ID #1, 2, 3, & 4 are from New haven Depot, IN and domestic origin.
Sample ID FORE 95, BRAZ 95, & DOME 95 are from Hammond Depot, IN

COMMODITY INSPECTION REPORT

<input checked="" type="checkbox"/> SALES		<input type="checkbox"/> PROCUREMENT	
CONTRACT NUMBER DLA-300-95-M-0040	COMMODITY Rear Earth' Sodium Sulphate	PROGRAM NDS	INSPECTION REPORT NUMBER 1
RELEASE OR S/I NUMBER same	LOT NUMBER 1, 2, 3, 4	REGION NUMBER HM	DATE OF INSPECTION 25-Jan-95
PURCHER OR CONTRACTOR Luvax Inc.;		ADDRESS 722 Main St.; P.O. Box 597; Laylston, MA 01505	
CONSIGNEE OR SUBCONTRACTOR N/A		ADDRESS	
PERSON CONTACTED (NAME AND TITLE) David L. Brown, Contracting Administrator		LOCATION OF MATERIAL INSPECTED New Haven Depot, IN 46774-9644	

SAMPLES TAKEN <input checked="" type="checkbox"/>		ANALYSIS <input checked="" type="checkbox"/>		DESCRIPTION OF PACKAGING (INCLUDE TYPE OF CONVEYANCE) Lot#1 - 1 lb Lot#2 - 1 lb Lot#3 - 1 lb Lot#4 - 1 lb
BY CONTRACT SAMPLER/ANALYST		BY PURCHASER OR CONTRACTOR	<input checked="" type="checkbox"/>	
BY INSPECTOR	<input checked="" type="checkbox"/>	BY GOVERNMENT ANALYST		
WITNESSED <input type="checkbox"/> YES		WITNESSED <input type="checkbox"/> YES		
OTHER <input type="checkbox"/> NO		OTHER <input type="checkbox"/> NO		
		TYPE OF ANALYSIS	# OF UNITS	
		PER CONTRACT	PER	
		1 PER LOT	PER	
IDENTITY OF SAMPLE				
VISUAL		FORWARDING DATE		
DIMENSIONAL		SAMPLE NUMBER		
FOR MARKING		LOT NUMBER		

DISTRIBUTION OF SAMPLES (GIVE COMPLETE ADDRESS)

Four cans sent to Lab for analysis
Reserve material remains at New Haven Depot.

DESCRIBE METHOD OF INSPECTION, SAMPLING AND/OR SAMPLE PREPARATION

Three drums were randomly selected from each lot; for which 1.3 lbs of material was taken from each drum per lot. This material of each lot was mixed, coned and split into two one lb samples and the remaining was for reserve samples. The material was sent to the Lab by express mail.

ITEM OR LOT	QUANTITY SAMPLED	QUANTITY ACCEPTED OR SOLD	QUANTITY REJECTED	APPROXIMATE \$ OF QUANTITY REJECTED	DESCRIPTION OF MATERIAL
lots 1 thru 4	16 lbs				Rear Earth, Sodium Sulphate

REASON FOR REJECTION

DISTRIBUTION

<input type="checkbox"/> Q A DIVISION	<input type="checkbox"/> Q.A. ZONE BRANCH	<input type="checkbox"/> SUPERVISORY Q.A.
<input type="checkbox"/> ORGINATION DEPOT	<input type="checkbox"/> STOCKPILE OF DIVISION	<input type="checkbox"/> CONTRACTING OFFICER
<input type="checkbox"/> FINANCE	<input type="checkbox"/> CONTRACTOR	<input type="checkbox"/> OTHER (Specify)

INSPECTOR Signature) William J. Till, QAS-HMQB	DATE 10-Apr-95
---	-------------------

NOTIFICATION OF STOCKPILE INSPECTION

3492

1. NAME AND LOCATION OF DEPOT OR FACILITY DLA/DNSZ New Haven Depot, IN	2. NAME AND TYPE OF COMMODITY Rare Earth Sodium Sulphate (Domestic)	CODE-461	3. SERIAL NO. 78 REGION: HMQ
---	---	----------	---

A. LAST 29-Dec-93	6. TYPE OF STORAGE AND SPECIFIC DEPOT AREA Warehouse Location - 215 Section - 2 Bays 36, 41, 42, 46, 52, 53, 54 and 62
B. THIS 8-Jul-94	

7. NAME AND TITLE OF PERSON RESPONSIBLE FOR MATERIAL Frederic W. Brooks, Depot Manager	7A. TEL. NO. OR CODE 219-749-5953	7B. EXTENSION
--	---	----------------------

INSPECTION DATA (Check and complete. Explain negative responses.)				YES	NO
8. STORAGE	A. Storage Facilities Are of the Type Prescribed in the Storage Manual			X	
	B. Storage Facilities Are Maintained in Good Order.			X	
9. MATERIAL	A. Material is Stored in the Manner Prescribed in the Storage Manual.			X	
	B. Material is Free of Deterioration, Infestation, Contamination, Commingling, Migration and Erosion.			X	
10. RECORDS	A. Depot Manager Confirmed that all entries have been Posted.			X	
	B. Depot Postings Indicate last RR N 16406 dated 14-Oct-97 Last OSR No. 18088 dated 9-Sep-83			X	
11. UNITS	Quantity Indicated in Item 14. reflects Depot Postings and agrees with actual and/or computed count.			X	
12. SECURITY AND FIRE PROTECTION	Security and Fire Protection are being provided in accordance with Quality Assurance and Materials Inspection Handbook and Storage Manual Requirements.			X	
13. CONTAINERS, PILES OR OTHER UNITS	A. Material is Stored in Proper Containers (Check only if applicable)			X	
	B. All containers, Piles and/or Units Are Marked as Prescribed in the Storage Manual.			X	
	C. Condition of Containers (Give exact number in Class III under remarks)			(1) CLASS I 100%	(2) CLASS II (3) CLASS III

14. DESCRIPTION OF CONTAINERS, PILES, OR OTHER UNITS									
PRO-GRAM	TYPE (Pile, case, ingot, bale, etc.)	WIDTH a.	LENGTH d.	HEIGHT e.	DIAM-ETER f.	g. WEIGHT OF UNIT (1)		TOTAL NUMBER OF UNITS h.	I. TOTAL WEIGHT NET
						GROSS	(2) NET		
NDS	Galvanized Drums			34"	24"	756	700	2,324	1,593,113.50

15. REMARKS (Review all other appropriate questions contained in "guide for the inspection of stockpiled materials and storage facilities," and, if deficiencies are found, give the appropriate guide numbers and complete details in this block)

Computed count agrees with the depot 46 record card.
 Material is stored on wood pallets. Stacks and storage areas are in good condition.
 Radiation signs are posted.
 Note: Radiation survey report is attached.

16. RECOMMENDATIONS (Not to be construed by storage depot or facility as authorization to proceed with remedial measures beyond the scope of usual authority)

None

32 = 315 (35mr) 36 = 188 (750mr) (2 = 239)
 33 = 318 41 = 105 (4mr)
 34 = 276 42 = 448 (15mr) 46 = (395 / 435)

<input checked="" type="checkbox"/> Q.A. DIVISION	<input checked="" type="checkbox"/> Q.A. ZONE BRANCH	<input type="checkbox"/> SUPERVISOR Q.A.
<input checked="" type="checkbox"/> ORIGINATING DEPOT	<input checked="" type="checkbox"/> STOCKPILE OP. DIVISION	<input type="checkbox"/> CONTRACTING OFFICER
<input type="checkbox"/> FINANCE	<input type="checkbox"/> CONTRACTOR	<input checked="" type="checkbox"/> OTHER HMGB

18. NAME OF INSPECTOR (Type or print) CLARENCE MCDANIEL, QAS	18A. SIGNATURE 	18. DATE 8-Jul-94
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RADIATION MONITORING REPORT

MONITORS CLARENCE MCDANIEL

DATE 8-Jul-94

3492

REPORT NUMBER 78

TIME	LOCATION	OBJECT OR PERSON MONITORED	INSTRUMENT USED	SHIELD		DISTANCE	RANGE	READING	DOSE RATE
				OPEN	CLOSED				
	WAREHOUSE	RARE EARTH	EBERLINE		X	CONTACT	X1	0.3	0.3 mr/hr
	215-2	SODIUM SULPHATE	E-120		X	"	X1	0.4	0.4 mr/hr
	BAYS 36,41,42,46,52,53,54 AND 62				X	"	X1	0.6	0.6 mr/hr
		BACKGROUND RADIATION	0.03 mr/hr						

COMMENTS:

MAXIMUM READING FOUND.
 CONDITION OF STORAGE AREA IS GOOD.
 DEPOT PERSONNEL EXPOSURE RECORDS ARE MAINTAINED AND EXOSURE READING ARE RECORDED.
 SOURCE MATERIAL LICENSE # STC-133 AND NRC REGULATIONS ARE POSTED IN DEPOT OFFICE.