

A SUBSIDIARY OF UNIFIRST CORPORATION

March 1, 2004 Mr. John D. Kinneman Division of Nuclear Material Safety U.S. Nuclear Regulatory Commission, Region 1 475 Allendale Road King of Prussia, PA 19406-1415 RE: License No. 37-23341-01 Quarterly Report- 4th Quarter 2003

Q-5

Dear Mr. Kinneman: 030 209 34

In accordance with condition #16 of the reference license, enclosed is the quarterly report for the third quarter, 2003.

If you have any questions or comments, please contact Glenn Roberts at our Royersford facility at (610) 948-9700, or me at (413) 543-6911 extension 27.

Sincerely,

John J. Wudyka Radiation Protection Engineer/MIS

cc: Michael Fuller, Manager, HP&E Glenn Roberts, Certified Health Physicist Dan Neeley, Plant Manager/RSO UniTech Royersford

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NMSS/RGNI MATERIALS-002

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Np-237 <mda< th=""> <</mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<></mda<>		{												
Am-241 2.83E-10 2.88E-10 <)(()								·····				
Cm-244 2.88E-10 <	the second s								the second s					
CONC. 1.26E-05 1.27E-05 1.29E-05 1.94E-05 1.64E-05 1.58E-05 1.05E-05 9.25E-06 8.63E-06 1.65E-05 1.37E-05 1.18E-05		1										the second s		
ACTIVITY 15.741963 26.4245458 79.136143 81.300194 28.564534 18.836418 15.112461 12.248968 25.968856 51.967234 29.374157 14.048313 398.72379 mCi AOF														398.72379 mCi AORN

 Notes:
 CONC. is total concentration for all nuclides except H-3 and C-14.
 AORN

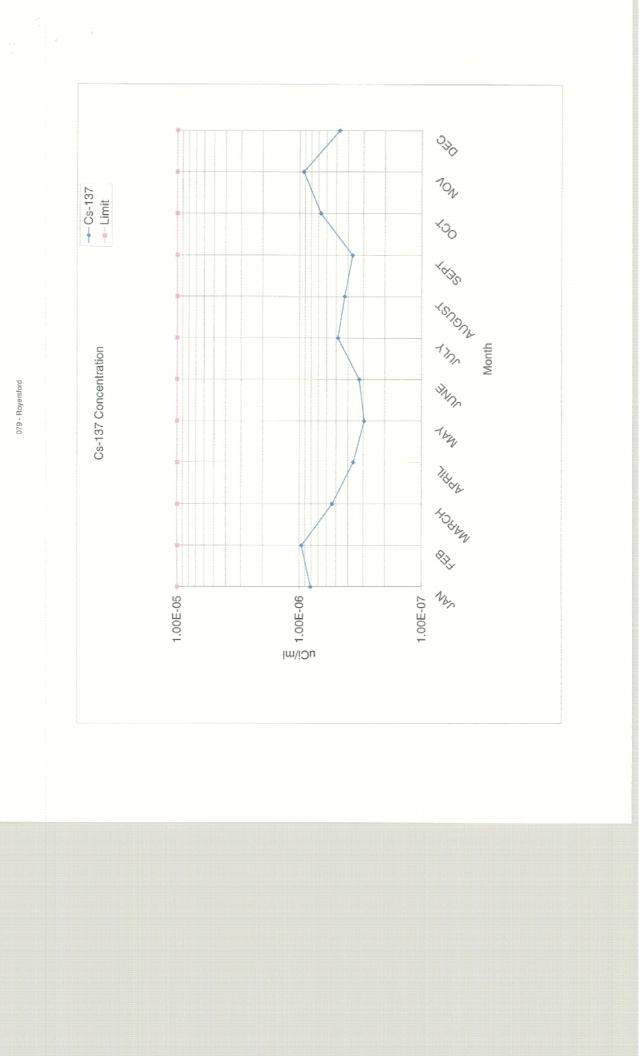
 All concentrations are in uCi/ml. All activities are in mCi.
 ND - N

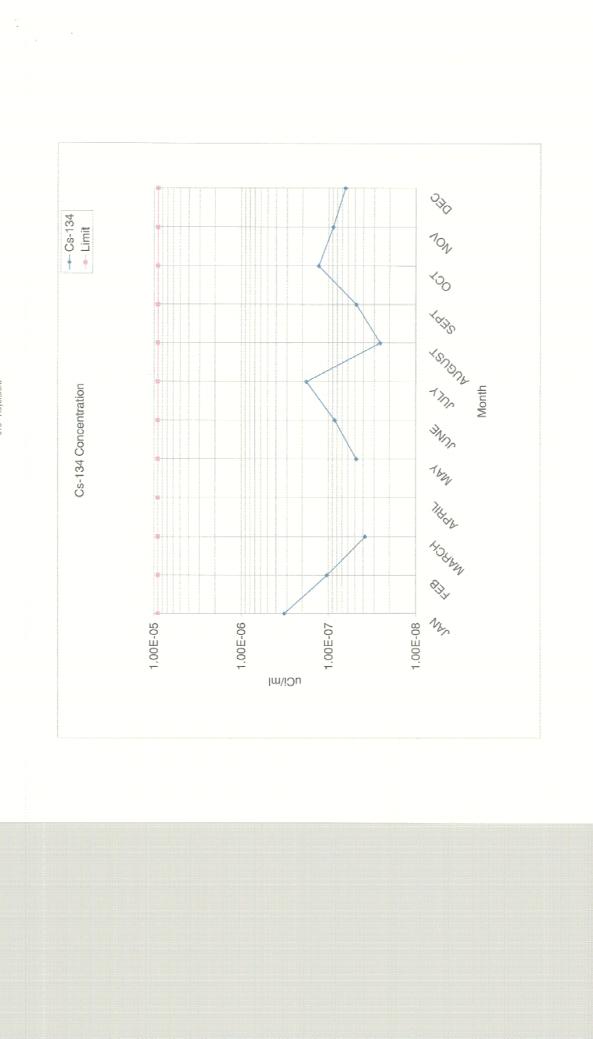
 NF - Not found in gamma spectra search
 MDA - Less than minimum dection limit for analytical method.

 ES: 80/00 exclored and reported as total Structures 150 pCi/fl.
 Concentratively assigned to Structure.

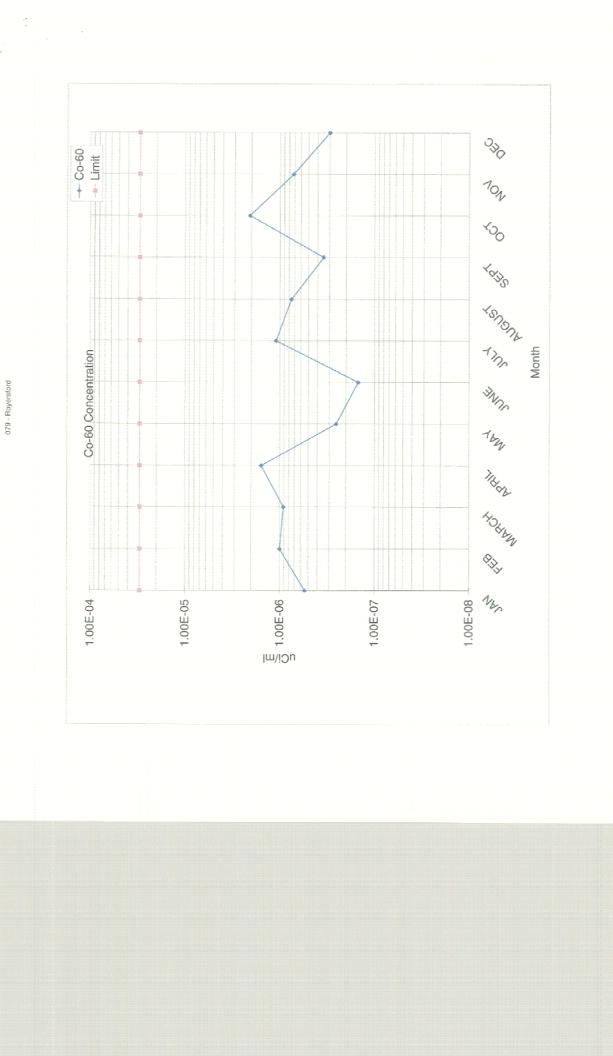
AORN - All other radionuclides (except for H-3 and C-14) ND - No Data

				079 - BOYE	BSFORD B	ATIOS OF D	ISCHARGE		3				
	LIMIT	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
<u> </u>							·	3011	700031	JEFT			
H-3	1.0E-02	0.00075	0.00075	0.00075	0.00125	0.00125	0.00125	0.00000	0.00000	0.00000	0.00127	0.00127	0.00127
C-14	3.0E-04	0.00673	0.00673	0.00673	0.00763	0.00763	0.00763	0.00823	0.00823	0.00823	0.00009	0.00009	0.00009
K-40	4.0E-05	0.00764				0.00705							
Cr-51	5.0E-03			0.00009	0.00006						0.00013		
Mn-54	3.0E-04	0.00123	0.00157	0.00201	0.00318	0.00047	0.00013	0.00190	0.00118	0.00032	0.00280	0.00103	0.00030
Mn-56	7.0E-04												
Fe-55	1.0E-03	0.00866	0.00866	0.00866	0.01340	0.01340	0.01340	0.00682	0.00682	0.00682	0.00966	0.00966	0.00966
Fe-59	1.0E-04							0.00035					
Co-57	6.0E-04												
Co-58	2.0E-04	0.00129	0.00161	0.00206	0.00414	0.00131	0.00040	0.00230	0.00067	0.00057	0.00541	0.00460	0.00062
Co-60	3.0E-05	0.01805	0.03317	0.03032	0.05210	0.00844	0.00496	0.03653	0.02517	0.01153	0.06927	0.02397	0.00996
Ni-59	3.0E-03	0.0.000		0.00002					0.02011	0.01100	0.0002.	0.02001	0.00000
	1.0E-03	0.00073	0.00070	0.00073	0.00107	0.00107	0.00107	0.00029	0.00000	0.00000	0.00000		0.00000
Ni-63			0.00073		0.00107	0.00107	0.00107		0.00029	0.00029	0.00060	0.00060	0.00060
Zn-65	5.0E-05	0.00257		0.00138				0.00132		0.00113	0.00443		
Sr-89	8.0E-05	0.00040	0.00040	0.00040	0.00060	0.00060	0.00060	0.00180	0.00100	0.00102	0.00110	0.00110	0.00110
Sr-90	5.0E-06	0.00046	0.00046	0.00046	0.00068	0.00068	0.00068	0.00188	0.00188	0.00188	0.00116	0.00116	0.00116
Zr-95	2.0E-04			0.00040	0.00037			0.00010					
Nb-95	3.0E-04			0.00010	0.00053	0.000.40	0.000.40	0.00010			0.00041		
Tc-99	6.0E-04	0.00006	0.00006	0.00006	0.00040	0.00040	0.00040	0.00004	0.00004	0.00004	0.00007	0.00007	0.00007
Ag-110m	6.0E-05	0.00044						0.00058		0.00081		0.00059	
Sn-113	3.0E-05												
Sb-125	3.0E-04												
I-125	2.0E-05												
I-129	2.0E-06	0.00570	0.00570	0.00570				0.00104	0.00104	0.00104	0.00955	0.00955	0.00955
Cs-134	9.0E-06	0.03578	0.01156	0.00422		0.00533	0.00944	0.01997	0.00284	0.00535	0.01443	0.00987	0.00717
Cs-137	1.0E-05	0.08096	0.09566	0.05368	0.03616	0.02944	0.03234	0.04837	0.04263	0.03680	0.06683	0.09253	0.04705
Eu-152	1.0E-04												
Eu-154	7.0E-05												
Eu-155	5.0E-04												
Pb-212	2.0E-06												
Bi-214	3.0E-03												
Ra-226	6.0E-07					0.00518							
Ac-228	2.0E-05												
Th-228	2.0E-05												
Th-228	1.0E-06	0.00118	0.00118	0.00118	0.00118	0.00118	0.00118	0.00118	0.00118	0.00118	0.00118	0.00118	0.00118
		0.00110	0.00110	0.00110	0.00110	0.00110	0.00110	0.00110	0.00110	0.00110	0.00110	0.00110	0.00110
Th-231	5.0E-04							ļ	l				
Th-232	5.0E-05			0.00011	0.00041	0.00011	0.00011	0.00043	0.0004.1	0.0001	0.0001	0.0001	
Th-234	5.0E-05	0.00811	0.00811	0.00811	0.00811	0.00811	0.00811	0.00811	0.00811	0.00811	0.00811	0.00811	0.00811
U-234	3.0E-06	0.00040	0.00040	0.00040	0.00040	0.00040	0.00040	0.00040	0.00040	0.00040	0.00040	0.00040	0.00040
U-235	3.0E-06	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011	0.00011
U-235	3.0E-06												
U-236	3.0E-06							<u> </u>					
U-238	3.0E-06	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015	0.00015
Pu-238	2.0E-07	0.00099	0.00099	0.00099	0.00099	0.00099	0.00099	0.00099	0.00099	0.00099	0.00099	0.00099	0.00099
Pu-239	2.0E-07												
Pu-241	1.0E-05												
Np-237	2.0E-07												
Am-241	2.0E-07	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142	0.00142
Cm-244	3.0E-07	0.00096	0.00096	0.00096	0.00096	0.00096	0.00096	0.00096	0.00096	0.00096	0.00096	0.00096	0.00096
	1.00	0.18435	0.17997	0.13026	0.13428	0.09497	0.08502	0.14303	0.10409	0.08811	0.19942	0.16831	0.10081
			0.17007	0.10020	1 0.10420	0.00407	0.00002	0.14000	0.10403	1.000011	0.10042	0.10001	0.10001

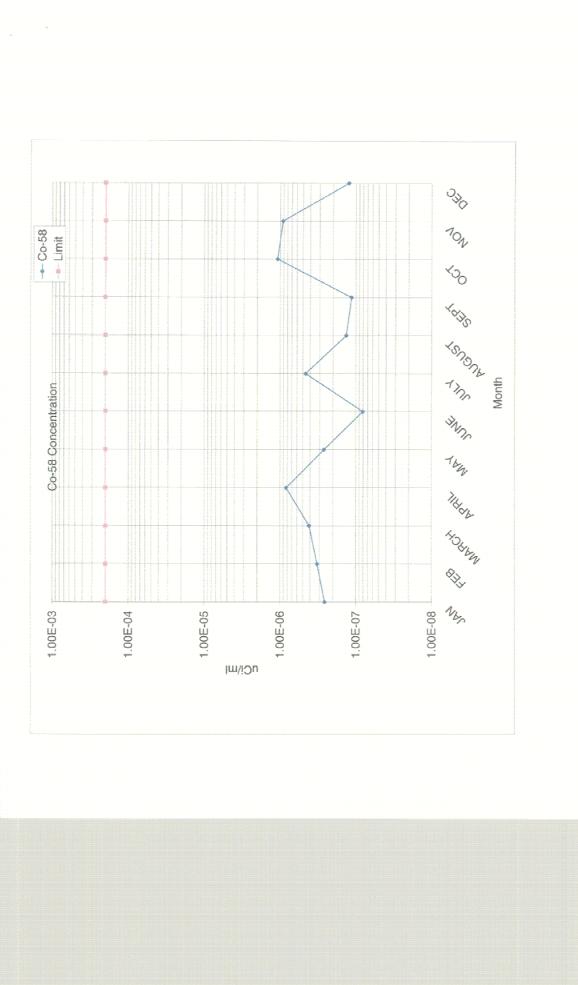




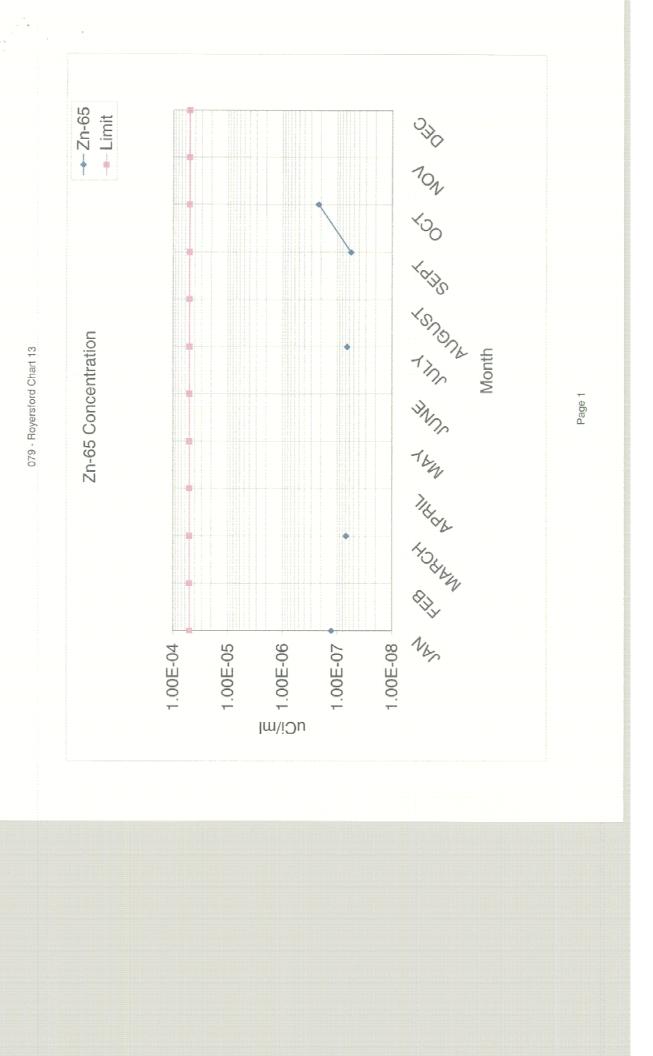
079 - Royersford











This is to acknowledge the receipt of your letter/application dated

3/1/2004, and to inform you that the initial processing which includes an administrative review has been performed.

Notification 4th QTA 2003 AGART - 37-23341 -cl There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

134612

Your action has been assigned **Mail Control Number** ______. When calling to inquire about this action, please refer to this control number. You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI) (6-96) Sincerely, Licensing Assistance Team Leader

BETWEEN:	: (FOR LFMS USE) : INFORMATION FROM LTS :
License Fee Management Branch, ARM and Regional Licensing Sections	Program Code: 03218 Status Code: 0 Fee Category: 6A Exp. Date: 20050831 Fee Comments: CALIBRATION IS FOR THEM Decom Fin Assur Reqd: Y

LICENSE FEE TRANSMITTAL

- A. REGION
- 1. APPLICATION ATTACHED

Applicant/Licensee:	UNITECH SERVICES GROUP, INC.
Received Date:	20040303
Docket No:	3020934
Control No.:	134612
License No.:	37-23341-01
Action Type:	Notifications

- 2. FEE ATTACHED Amount: Check No.:
- 3. COMMENTS

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Americament	
Renewal	
License	

3. OTHER _____

Signed ______ Date _____
