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REGION 1

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May 23, 2005

Mr. John D. Kinneman  
U.S. Nuclear Regulatory Commission  
Division of Nuclear Material Safety  
475 Allendale Road  
King of Prussia, PA 19406-1415

RE: License No. 37-23341-01 Quarterly Report – 1<sup>st</sup> Quarter 2005  
**03020934**

Dear Mr. Kinneman:

In accordance with License Condition No. 16, enclosed is the quarterly report for the referenced period for discharges made pursuant to License Condition No. 15. The resulting pathway analysis, calculated in the manner provided in UniTech's letter dated July 24, 1998, indicated a maximum potential quarterly CEDE dose of  $8.16 \times 10^{-3}$  millirem.

If you have questions regarding this information, do not hesitate to contact me at your earliest convenience. I may be reached directly at 610-948-9700, extension 19.

Sincerely,

UniTech Services Group, Inc.

Glenn Roberts  
Health Physicist

cc: Michael Fuller, Manager, Health Physics and Engineering  
Dan Neely, Plant Manager/RSO  
John Wudyka, Radiation Protection Engineer

**137098**  
**NMSS/RGNI MATERIALS-002**

### UniTech Table 1

#### Royersford Concentrations and Volumes

2004 - ROYERSFORD WASTEWATER CONCENTRATIONS (uCi/ml)												
MONTH	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
GALLONS	339613	445938	1056810									
H-3	5.01E-06	5.01E-06	5.01E-06									
C-14	6.66E-07	6.66E-07	6.66E-07									
K-40	NF	NF	NF									
Cr-51	NF	NF	NF									
Mn-54	3.39E-07	1.38E-07	8.56E-08									
Mn-56	NF	NF	NF									
Fe-55	1.90E-06	1.90E-06	1.90E-06									
Fe-59	NF	NF	NF									
Co-57	NF	NF	NF									
Co-58	3.20E-08	NF	1.42E-07									
Co-60	7.93E-07	4.74E-07	2.68E-07									
Ni-59	NF	NF	NF									
Ni-63	2.51E-07	2.51E-07	2.51E-07									
Zn-65	NF	NF	3.75E-08									
Sr-89	NF	NF	NF									
Sr-90	5.62E-09	5.62E-09	5.62E-09									
Zr-95	NF	NF	NF									
Nb-95	NF	NF	NF									
Tc-99	<MDA	<MDA	<MDA									
Ag-110m	NF	NF	NF									
Sn-113	NF	NF	NF									
Sb-125	NF	NF	NF									
I-125	NF	NF	NF									
I-129	<MDA	<MDA	<MDA									
Cs-134	NF	1.99E-08	3.31E-08									
Cs-137	1.43E-07	2.22E-07	3.27E-07									
Eu-152	NF	NF	NF									
Eu-154	NF	NF	NF									
Eu-155	NF	NF	NF									
Pb-212	NF	NF	NF									
Pb-214	NF	NF	NF									
Ra-226	NF	NF	NF									
Ac-228	NF	NF	NF									
Th-228	<MDA	<MDA	<MDA									
Th-230	<MDA	<MDA	<MDA									
Th-231	NF	NF	NF									
Th-232	1.09E-09	1.09E-09	1.09E-09									
Th-234	3.56E-07	3.90E-07	NF									
U-234	1.80E-10	1.80E-10	1.80E-10									
U-235	<MDA	<MDA	<MDA									
U-236	<MDA	<MDA	<MDA									
U-238	3.18E-10	3.18E-10	3.18E-10									
Pu-238	<MDA	<MDA	<MDA									
Pu-239	<MDA	<MDA	<MDA									
Pu-241	<MDA	<MDA	<MDA									
Np-237	<MDA	<MDA	<MDA									
Am-241	<MDA	<MDA	<MDA									
Cm-244	<MDA	<MDA	<MDA									
CONC.	9.50E-06	9.08E-06	8.73E-06									

Notes: NF - Not found in gamma spectra search  
 <MDA - Less than minimum detection limit for analytical method.  
 Sr-89/90 analyzed and reported as total Sr unless >50 pCi/L. Conservatively assigned to Sr-90



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

5/23/2005, and to inform you that the initial processing which includes an administrative review has been performed.

**Notification 37-23341-01**  
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

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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.

Your action has been assigned **Mail Control Number** 137099.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

(FOR LFMS USE)  
INFORMATION FROM LTS

BETWEEN:

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 I

1. APPLICATION ATTACHED

Applicant/Licensee: UNITECH SERVICES GROUP, INC.  
Received Date: 20050524  
Docket No: 3020934  
Control No.: 137098  
License No.: 37-23341-01  
Action Type: Notifications

2. FEE ATTACHED

Amount: /  
Check No.: /

3. COMMENTS

Signed Heaven Jernick  
Date 6/1/2005

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:

Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

3. OTHER \_\_\_\_\_  
\_\_\_\_\_

Signed \_\_\_\_\_  
Date \_\_\_\_\_