November 27, 2007

MM884

Ms. Marie Miller U.S. Nuclear Regulatory Commission Division of Nuclear Material Safety 475 Allendale Road King of Prussia, PA 19406-1415

03020934

RE: License No. 37-23341-01 Quarterly Report – 3<sup>rd</sup> Quarter 2007

Dear Ms. Miller:

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, indicates a maximum potential quarterly adult Committed Effective Dose Equivalent (CEDE) of 5.83 x 10<sup>-3</sup> millirem.

If you have questions regarding this information, please contact me at your earliest convenience. I may be reached at 610-948-9700, extension 19 or by email at GRoberts@UniTech.ws.

Sincerely,

UniTech Services Group, Inc.

Glenn Roberts

Health Physicist

Alm Roberts

cc:

Dan Neely, Plant Manager/RSO

John Wudyka, QA Manager

Michael Fuller, Esq., Manager, Health Physics and Engineering

707 NOV 28 AM 10: 2

14/359 NMSS/RGN1 MATERIALS-002

## UniTech Table 1

Royersford Concentrations and Volumes												
2007 - ROYERSFORD WASTEWATER CONCENTRATIONS (uCi/ml)												
MONTH	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
GALLONS	384,356	384,987	1,226,892	701,954	496,970	462,021	375,091	504,251	600,583			
H-3	3.38E-03	9.24E-03	4.37E-04	1.23E-04	2.18E-04	2.07E-04	6.75E-05	6.75E-05	6.75E-05			
C-14	1.85E-08	1.85E-08	1.85E-08	5.82E-08	5.82E-08	5.82E-08	6.19E-09	6.19E-09				
K-40	NF	NF	2.58E-07	2.51E-07	NF	NF	NF	NF	NF			
Cr-51	NF	NF	NF	NF	NF	NF	NF	NF	NF.		<del> </del>	
Mn-54	1.74E-07	6.72E-08	3.52E-07	4.52E-08	7.36E-08	2.69E-08	4.32E-08				<del> </del>	
Mn-56	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Fe-55	9.85E-08	9.85E-08	9.85E-08	9.84E-07	9.84E-07	9.84E-07	2.98E-06	2.98E-06				
Fe-59	NF	NF	NF	NF	NF	NF	NF	NF	NF		<del> </del>	
Co-57	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Co-58	3.83E-08	1.50E-08	9.21E-08	1.24E-07	5.40E-08	4.77E-08	2.91E-08	NF	NF			
Co-60	7.37E-07	2.62E-07	1.56E-06	1.65E-07	3.08E-07	1.71E-07	2.15E-07	1.33E-07	1.27E-06			
Ni-59	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Ni-63	5.35E-07	5.35E-07	5.35E-07	<mda< td=""><td><mda< td=""><td><mda< td=""><td>3.34E-08</td><td>3.34E-08</td><td>3.34E-08</td><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>3.34E-08</td><td>3.34E-08</td><td>3.34E-08</td><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td>3.34E-08</td><td>3.34E-08</td><td>3.34E-08</td><td></td><td></td><td></td></mda<>	3.34E-08	3.34E-08	3.34E-08			
Zn-65	4.87E-08	NF	NF	NF	NF	NF	NF	NF	NF			
Sr-89	NF	NF	NF	NF	NF	NF	NF	NF	NF.		<del>                                     </del>	
Sr-90	1.51E-08	1.51E-08	1.51E-08	2.47E-08	2.47E-08	2.47E-08	1.20E-08	1.20E-08	1.20E-08			
Zr-95	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Nb-95	NF	NF	2.51E-08	NF	NF	NF	NF	NF	NF			
Tc-99	2.98E-07	2.98E-07	2.98E-07	1.39E-08	1.39E-08	1.39E-08	1.05E-08	1.05E-08	1.05E-08			
Ag-110m	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Sn-113	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Sb-125	NF	NF	NF	NF	NF	NF	NF	NF	NF			
I-125	NF	NF	NF	NF	NF	NF	NF	NF	NF			
I-129	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td></mda<>			
Cs-134	6.21E-08	3.27E-08	1.08E-07	2.41E-08	2.74E-08	NF	NF	2.45E-08	NF			
Cs-137	4.58E-07	5.74E-07	5.72E-07	3.20E-07	3.30E-07	2.06E-07	1.43E-07	1.61E-07	2.81E-07			
Eu-152	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Eu-154	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Eu-155	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Pb-212	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Pb-214	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Ra-226	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Ac-228	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Th-228	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td></mda<>			
Th-230	3.94E-10	3.94E-10	3.94E-10	<mda< td=""><td><mda< td=""><td><mda< td=""><td>3.92E-10</td><td>3.92E-10</td><td>3.92E-10</td><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>3.92E-10</td><td>3.92E-10</td><td>3.92E-10</td><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td>3.92E-10</td><td>3.92E-10</td><td>3.92E-10</td><td></td><td></td><td></td></mda<>	3.92E-10	3.92E-10	3.92E-10			
Th-231	NF	NF	NF	NF	NF	NF	NF	NF	NF			
Th-232	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td></mda<>			
Th-234	NF	4.16E-07	NF	3.17E-07	NF	2.28E-07	NF	3.01E-07	3.22E-07			
U-234	3.93E-10	3.93E-10	3.93E-10	5.64E-10	5.64E-10	5.64E-10	5.18E-10	5.18E-10	5.18E-10			
U-235	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td></mda<>			
U-236	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td></mda<>			
U-238	2.90E-10	2.90E-10	2.90E-10	<mda< td=""><td><mda< td=""><td><mda< td=""><td>6.12E-10</td><td>6.12E-10</td><td>6.12E-10</td><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td>6.12E-10</td><td>6.12E-10</td><td>6.12E-10</td><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td>6.12E-10</td><td>6.12E-10</td><td>6.12E-10</td><td></td><td></td><td></td></mda<>	6.12E-10	6.12E-10	6.12E-10			
Pu-238	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td></mda<>			
Pu-239	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td></mda<>			
Pu-241	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td></mda<>			
Np-237	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td></mda<>			
	6.95E-10	6.95E-10	6.95E-10	4.85E-10	4.85E-10	4.85E-10	5.62E-10	5.62E-10	5.62E-10			
Cm-244	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<></td></mda<>	<mda< td=""><td><mda< td=""><td></td><td></td><td></td></mda<></td></mda<>	<mda< td=""><td></td><td></td><td></td></mda<>			
Total	3.38E-03	9.24E-03	4.41E-04	1.25E-04	2.20E-04	2.09E-04	7.10E-05	7.12E-05	7.27E-05			

Notes:

NF - Not found in gamma spectra search

<MDA - Less than minimum dection limit for analytical method.

Sr-89/90 analyzed and reported as total Sr unless >50 pCi/L. Conservatively assigned to Sr-90

March K-40 result reported at MDA value. Not used in pathway dose calculation.

## UniTech Table 2

2007 - ROYERSFORD WASTEWATER ACTIVITIES (mCi)												
MONTH	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST		OCT	NOV	DEC
Gallons	384356	384987	1226892	701954	496970	462021	375091	504251	600583	0	1 10	0
H-3	4.92E+03	1.35E+04	2.03E+03	3.27E+02	4.10E+02	3.62E+02	9.58E+01	1.29E+02	1.53E+02	· · · · · · · · · · · · · · · · · · ·		<del>                                     </del>
C-14	2.69E-02	2.70E-02	8.59E-02	1.55E-01	1.09E-01		8.79E-03					<del>                                     </del>
K-40			1.20E+00	6.68E-01							<del> </del>	1
Cr-51											<del> </del>	
Mn-54	2.54E-01	9.79E-02	1.64E+00	1.20E-01	1.38E-01	4.71E-02	6.14E-02	5.87E-02	5.46E-01			
Mn-56												
Fe-55	1.43E-01	1.44E-01	4.57E-01	2.61E+00	1.85E+00	1.72E+00	4.23E+00	5.69E+00	6.77E+00			<u> </u>
Fe-59	i											
Co-57		2 12 2 2										
Co-58			4.28E-01				4.14E-02					
Co-60	1.0/E+00	3.82E-01	7.22E+00	4.39E-01	5.79E-01	2.99E-01	3.06E-01	2.54E-01	2.88E+00			
Ni-59	7 705 04	7.005.04	0.405.00									
Ni-63 Zn-65	7.78E-01 7.08E-02	1.00E-01	2.48E+00			<u> </u>	4./4E-02	6.37E-02	7.59E-02		<del>  </del>	<u> </u>
Sr-89	1.00⊑-02					ļ	<u> </u>	<del> </del>			ļ	L
Sr-90	2 20F-02	2 20F-02	7.01E-02	6 56E_02	4 65E 02	4 335 03	1.70E-02	2 205 02	0.705.00		ļ	<u> </u>
Zr-95	2.202-02	2.202-02	1.012-02	J.JJE-02	4.00E-02	7.32E-02	1.70E-02	2.29E-02	2./3E-U2		ļ	<u> </u>
Nb-95			1.16E-01			<del> </del>	<del></del> -	<b> </b>	<del></del>		<del> </del> -	<del> </del>
Tc-99	4.34E-01	4.34E-01		3 69F-02	2 61F-02	2 43F-02	1.49E-02	2 00E-02	2 305 02		<del> </del>	<del> </del>
Ag-110m			7.502 00	0.002 02	2.0.2 02	2.702 02	1.702-02	2.00L-02	2.39E-02		<del>}</del>	<b></b>
Sn-113												<u> </u>
Sb-125									<del> </del>		<del> </del>	<del> </del>
I-125											<b> </b>	<del> </del>
I-129											<del>                                     </del>	<del> </del>
Cs-134			5.00E-01					4.68E-02		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<del>                                     </del>	
Cs-137	6.66E-01	8.36E-01	2.66E+00	8.49E-01	6.21E-01	3.61E-01	2.02E-01		6.39E-01			
Eu-152												
Eu-154												
Eu-155												
Pb-212												
Pb-214	<b></b>											
Ra-226 Ac-228			<del></del>									
Th-228	<del></del>											
Th-230	5.73E-04	5.74E-04	1.83E-03				E 575 04	7.405.04	0.045.04			
Th-231	J.73E-04	J.14E-04	1.032-03				3.5/E-U4	7.48E-04	ö.97E-04			
Th-232				<del></del>								
Th-234		6.06E-01		8.43E-01		3.99E-01	<del></del>	5.74E-01	7 22E 04			
U-234		5.73E-04				9.86E-04	7.35E-04	9.89E-04				
U-235		J U.S. U.T.		1.502 50	1.502-00	5.50L-04	7.00L-04	3.08E-04	1.10E-03			
U-236					<del></del>			+	+			
	4.22E-04	4.23E-04	1.35E-03				8.69E-04	1.17F-03	1.39F-03			
Pu-238									1.002-00			
Pu-239							<del></del>		<del></del>	<del></del>		
Pu-241										<del></del>		
Np-237												
Am-241	1.01E-03	1.01E-03	3.23E-03	1.29E-03	9.12E-04	8.48E-04	7.98E-04	1.07E-03	1.28E-03			
Cm-244	1											
TOTAL	4.92E+03	1.35E+04	2.05E+03	3.33E+02	4.14E+02	3.65E+02	1.01E+02	1.36E+02	1.65E+02			

This is to acknowledge the receipt	ル マル ただれ of your <del>letter/application</del> dated
includes an administrative review h	and to inform you that the initial processing which has been performed.
There were no administrative or technical reviewer. Please note omissions or require additional i	7-23344-W missions. Your application was assigned to a that the technical review may identify additional information.
Please provide to this office with	hin 30 days of your receipt of this card
Branch, who will contact you separ Your action has been assigned <b>Ma</b>	warded to our License Fee & Accounts Receivable rately if there is a fee issue involved.  All Control Number
NRC FORM 532 (RI) (6-96)	Sincerely, Licensing Assistance Team Leader

and the second process of the second second

`