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REGION 1

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Corporate Headquarters
300 Lindenwood Drive
Valleybrooke Corporate Center
Malvern, PA 19355
(610) 651-4200

October 26, 2007

P-2

Jenny M. Johansen
Health Physicist
Materials Security and Industrial Branch
Division of Nuclear Materials Safety
Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406

37-20627-01
03020003

RE: The PQ Corporation, License Amendment, Control No. 138697

Dear Ms. Johansen,

Per your request, attached please find the semi-annual nuclear source inventory for PQ Corporation's Chester, PA, Jeffersonville, IN and St. Louis, MO facilities.

If you have any questions, please contact Elaine Simpson, Vice President, Health, Safety & Environment at 610-651-4720.

Sincerely,

Denise Rambo

Denise Rambo
Administrative Assistant

Cc: File

141061

NMSS/RGN1 MATERIALS-002

**PQ CORPORATION
SEMI-ANNUAL NUCLEAR SOURCE INVENTORY**

CHESTER

UNIT LOCATION	MANUFACTURER	MODEL NO.	SERIAL NO.	SOURCE ISOTOPE	SOURCE ACTIVITY	UNITS
Dissolver #1	TN Technologies	5200	B3105	Cs-137	100	millicuries (mCi)
Dissolver #1	TN Technologies	5201	B3739	Cs-137	75	millicuries (mCi)
Dissolver #2	TN Technologies	5200	B3107	Cs-137	100	millicuries (mCi)
Dissolver #2	TN Technologies	5201	B3735	Cs-137	75	millicuries (mCi)
Dissolver #3	TN Technologies	5200	B3106	Cs-137	100	millicuries (mCi)
Dissolver #3	TN Technologies	5201	B3736	Cs-137	75	millicuries (mCi)
Dissolver #4	TN Technologies	5200	B3109	Cs-137	100	millicuries (mCi)
Dissolver #4	TN Technologies	5201	B3738	Cs-137	75	millicuries (mCi)
Dissolver #5	TN Technologies	5200	B3108	Cs-137	100	millicuries (mCi)
Dissolver #5	TN Technologies	5201	B3737	Cs-137	75	millicuries (mCi)
#4 Furnace	Berthold	LB-7444	00343	Co-60	500	millicuries (mCi)

JEFFERSONVILLE

UNIT LOCATION	MANUFACTURER	MODEL NO.	SERIAL NO.	SOURCE ISOTOPE	SOURCE ACTIVITY	UNITS
Dissolver #1	Texas Nuclear	5205	B625	Cs-137	100	millicuries (mCi)
Dissolver #2	Texas Nuclear	5205	B628	Cs-137	100	millicuries (mCi)
Dissolver #3	Texas Nuclear	5205	B627	Cs-137	100	millicuries (mCi)
Dissolver #4	Texas Nuclear	5205	B626	Cs-137	100	millicuries (mCi)

ST. LOUIS

UNIT LOCATION	MANUFACTURER	MODEL NO.	SERIAL NO.	SOURCE ISOTOPE	SOURCE ACTIVITY	UNITS
#1 Dissolver	KAY-RAY	7062BP	1595	Cs-137	50	millicuries (mCi)
#1 Dissolver	KAY-RAY	7062BP	1480	Cs-137	50	millicuries (mCi)
#2 Dissolver	KAY-RAY	7062BP	2003A	Cs-137	50	millicuries (mCi)
#2 Dissolver	KAY-RAY	7062BP	1594	Cs-137	50	millicuries (mCi)
#3 Dissolver	KAY-RAY	7062BP	2003B	Cs-137	100	millicuries (mCi)
Diss. Test. Sta.	KAY-RAY	7062BP	23589	Cs-137	100	millicuries (mCi)