



Providing Insight Onsite

January 23, 2013

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Document Control Desk/Exempt Distribution  
Director, Office of Federal and State Materials  
and Environmental Management Programs  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

RE: NRC License No. 07-28386-01, Docket Reference No. 030-31174  
10 CFR 32.12 Material Transfer Report - 2012

Dear Sir/Madam:

Pursuant to a condition of Tracerco's License No. 07-28386-01 and 10 CRC 32.12, enclosed is the required material transfer report for 2012. All transfers were in compliance with a license condition authorizing Tracerco to introduce byproduct material as contaminants in tracer studies and to transfer ownership and possession of the product or material containing byproduct material to persons exempt from the requirements for a license provided in 10 CFR 30.14. The concentrations of byproduct materials at the time of transfer did not exceed the concentrations in 10 CFR 30.70, nor were the products incorporated in any food, beverage, cosmetic, or other commodity or product designed for ingestion or inhalation by, or application to, a human being.

Should you have any questions regarding the enclosed report, please do not hesitate to contact us.

Best Regards,

Norman Lanier  
Corporate Radiation Safety Officer

Enclosure: 10 CFR 32.12 Material Transfer Report – 2012

FSME03



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Tracerco is a d/b/a of Johnson Matthey Inc.

Johnson Matthey

**Tracerco**  
**NRC License No. 07-28366-01**  
**10 CFR 32.12 Material Transfer Report**  
**01/01/12 through 12/31/12**

10 CFR 32.12(b)(1)		10 CFR 32.12(b)(2)			10 CFR 32.12(b)(3)		10 CFR 32.12(b)(4)		
Receptient Product/Material		Receptient Information			Radionuclide Introduced		Initial Transfer Concentration		
Type	Quantity	Name	City	State	Type	Quantity	Liquid (µCi/ml)	Solid (µCi/g)	Gas (µCi/ml)
Liquid	122000 gal	Sinclair	Sinclair	WY	Br-82	44 mCi	9.53E-05	N/A	N/A
Liquid	5000 gal	Honeywell	Hopewell	VA	Na-24	30 mCi	1.59E-03	N/A	N/A
Air	N/A	FHR	Rosemount	MN	Kr-79	2000 mci	N/A	N/A	9.30E-09
Air	N/A	Hess	Port Reading	NJ	Kr-79	2173 mCi	N/A	N/A	7.00E-08
Air	N/A	Marathon	Detroit	MI	Kr-85	4500mCi	NA	NA	7.00E-08
Air	N/A	JM Catalyst	Trinidad	--	Kr-85	13000 mCi	N/A	N/A	7.00E-07
Solid	38,000 lbs	UOP/PSRI	Des Plaines	IL	La-140	18.9 mCi	NA	0.0002	NA
Air	NA	UOP/PSRI	Des Plaines	IL	Kr-85	1770 mCi	NA	NA	7.00E-07
Solid	38,000 Lbs	UOP/PSRI	Des Plaines	IL	Na-24	1.1 mCi	NA	6.38E-05	NA
Air	N/A	Petro Star	Valdez	AK	Kr-85	700 mCi	N/A	N/A	7.00E-07
Liquid	5000 gal	Honeywell	Hopewell	VA	Na-24	30 mCi	1.59E-03	N/A	N/A
Air	NA	Husky	Lima	OH	Kr-79	1000 mCi	NA	NA	6.86E-11
Liquid	1100000 gal	ExxonMobil	Joliet	IL	Br-82	46 mCi	1.10E-05	N/A	N/A
Air	NA	FHR	Rosemount	MN	Kr-79	3104 mCi	NA	NA	7.00E-07
Air	N/A	PCS	Lima	OH	Kr-79	2000 mci	N/A	N/A	9.30E-09
Solid	38,000 Lbs	UOP/PSRI	Des Plaines	IL	La-140	9 mCi	NA	5.20E-05	NA
Air	NA	UOP/PSRI	Des Plaines	IL	Kr-85	1400	NA	NA	7.00E-07
Solid	38,000 Lbs	UOP/PSRI	Des Plaines	IL	Na-24	1.5 mCi	NA	8.70E-05	Na
Air	NA	UOP/PSRI	Des Plaines	IL	Kr-85	5900 mCi	NA	NA	7.00E-08
Solid	38,000 Lbs	UOP/PSRI	Des Plaines	IL	La-140	6 mCi	NA	3.50E-04	NA
Solid	38,000 Lbs	UOP/PSRI	Des Plaines	IL	Na-24	1 mCi	NA	5.80E-05	NA
Liquid	1,200,000 gal	Northern Tier	St. Paul Park	MN	H-3	999 mCi	2.20E-04	NA	Na
Air	NA	Marathon	Detroit	MI	Kr-85	1366 mCi	NA	NA	6.35E-09
Air	NA	Toledo Ref.	Toledo	OH	Kr-79	1200 mCi	NA	NA	5.58E-09
Air	NA	Marathon	Robinson	IL	Kr-85	2800 mCi	NA	NA	7.00E-07



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Liquid	5000 gal	Honeywell	Hopewell	VA	Na-24	30 mCi	1.59E-03	N/A	N/A
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Air	N/A	Petro Star	Valdez	AK	Kr-85	700 mCi	N/A	N/A	7.00E-07
Liquid	5000 gal	Honeywell	Hopewell	VA	Na-24	30 mCi	1.59E-03	N/A	N/A
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Liquid	1100000 gal	ExxonMobil	Joliet	IL	Br-82	46 mCi	1.10E-05	N/A	N/A
Air	NA	FHR	Rosemount	MN	Kr-79	3104 mCi	NA	NA	7.00E-07
Air	N/A	PCS	Lima	OH	Kr-79	2000 mCi	N/A	N/A	9.30E-09
Solid	38,000 Lbs	UOP/PSRI	Des Plaines	IL	La-140	9 mCi	NA	5.20E-05	NA
Air	NA	UOP/PSRI	Des Plaines	IL	Kr-85	1400	NA	NA	7.00E-07
Solid	38,000 Lbs	UOP/PSRI	Des Plaines	IL	Na-24	1.5 mCi	NA	8.70E-05	Na
Air	NA	UOP/PSRI	Des Plaines	IL	Kr-85	5900 mCi	NA	NA	7.00E-08
Solid	38,000 Lbs	UOP/PSRI	Des Plaines	IL	La-140	6 mCi	NA	3.50E-04	NA
Solid	38,000 Lbs	UOP/PSRI	Des Plaines	IL	Na-24	1 mCi	NA	5.80E-05	NA
Liquid	1,200,000 gal	Northern Tier	St. Paul Park	MN	H-3	999 mCi	2.20E-04	NA	Na
Air	NA	Marathon	Detroit	MI	Kr-85	1366 mCi	NA	NA	6.35E-09
Air	NA	Toledo Ref.	Toledo	OH	Kr-79	1200 mCi	NA	NA	5.58E-09
Air	NA	Marathon	Robinson	IL	Kr-85	2800 mCi	NA	NA	7.00E-07