



## International Isotopes Inc.

January 30, 2018

30-37557

ATTN: Document Control Desk/Exempt Distribution  
Director of the Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Subject: Material transfer report as required by Title 10 Code of Federal Regulations §32.12.

Dear Director,

A report pursuant to Title 10 §32.12 *Records and material transfer reports* is provided that details the irradiated gemstones released by International Isotopes, Inc. during calendar year 2017.

Should you have any questions, please contact me by phone at (208) 524-5300 or by email at [jjmiller@intisoid.com](mailto:jjmiller@intisoid.com)

Please contact me by phone at 208 524-5300 or email at [jjmiller@intisoid.com](mailto:jjmiller@intisoid.com) if you have any questions regarding this letter or require additional information.

Sincerely,

John J. Miller, CHP  
Radiation Safety Officer

JJM-2018-05

cc: Ms. Vivian Campbell  
U.S. NRC Region IV  
1600 E. Lamar Blvd.  
Arlington, TX 76011-4511

NM5503

## Report of Exempt Distribution January 1, 2017 through December 31, 2017 Transferred under §30.14

NRC Licensee:		International Isotopes, Inc. 4137 Commerce Circle Idaho Falls, ID 83401		
NRC License Number:		11-27680-02E		
CFR Citation	Reporting Requirement	Type	Company (Domestic)	Quantity (grams)
§32.12 (b)(1)	Type and quantity of each product or material into which byproduct material has been introduced during the reporting period	Semi-precious & Precious Gemstones	Color Jewels Inc.	553.4
			Coloron Jewelry	431.7
			Dana Augustine	37.6
			Fabrikant Tara International	192.7
			Fine Gems	10369.3
			Goldiam USA Inc	2.1
			Grafstein Diamond Corp	2.8
			Henry Jewelry Inc	2467.1
			Indigo Jewelry	12.2
			INDOJEWELS Inc.	73.0
			InterJewel USA	30.9
			Leo Wolleman Inc.	112.0
			Lotus Colors	98.7
			MWI Eloquence Inc.	11.7
			Renaissance Inc.	210.7
			RJNY dba Verigold	402.5
			Rosy Blue Jewelry	15.7
			Sanghavi Diamonds Inc.	4.0
			Sparkling Jewels	7.7
			Stuller Inc.	189.4
			Suashish Jewels	1324.7
			TACORI	1084.4
			VIVA GEMS USA	1086.2

Total distributed in U.S.: 18720.5

CFR Citation	Reporting Requirement	Type	Company (International)	Quantity (grams)
§32.12 (b)(1)	Type and quantity of each product or material into which byproduct material has been introduced during the reporting period	Semi-precious & Precious Gemstones	JB Trading BKK Co . LTD	1397740.8
			Exquisite Color Kraft Pvt Ltd	4663.1
			International Mineral and Gems	9343.8
			Keen Jade	4814.6
			Rbhava & Pt Collections	11470.5
			Sunjewels Pvt Ltd	183.6
			Sunny Gems	970.0

Total distributed outside of the U.S.: 1429186.4

CFR Citation	Reporting Requirement	Name (Domestic)	Address
§32.12 (b)(2)	Name and address of the person who owned or possessed the product or material, into which byproduct material has been introduced, at the time of introduction	Color Jewels Inc.	36 West 44 <sup>th</sup> St. Suite 900 New York, NY 10036
		Coloron Jewelry	7242 Valjean Ave. Van Nuys, CA 91406
		Dana Augustine	300 Chastain Center #315 Kennesaw, GA 30144
		Fabrikant Tara International	21 W, 46 <sup>th</sup> ST. 3 <sup>rd</sup> Floor New York, NY 10036
		Fine Gems	20 West 47th Street #1402 New York, NY 10036
		Goldiam USA Inc	22 W. 48 <sup>th</sup> St Suite # 305 New York, NY 10036
		Grafstein Diamond Corp	19 W. 44 <sup>th</sup> St. Suite 316 New York, NY 10036
		Henry Jewelry Inc.	550 South Hill Street Suite 601 Los Angeles, CA 90013
		Indigo Jewelry	70 West 36 <sup>th</sup> Street, Suite 5A, 5 <sup>th</sup> Floor New York, NY 10018
		Indojewels Inc.	48 W. 48 <sup>th</sup> Street, Suite 301 New York, NY 10036
		InterJewel USA	580 Fifth Avenue Suite 1512 New York, NY 10036
		Leo Wolleman Inc.	31 South St. STE 4-N-3 Mount Vernon, NY 10550
		Lotus Colors	62 West 47 St. #500 New York, NY 11036
		MWI Eloquence Inc.	35 West 45 <sup>th</sup> St., Floor 11 New York, NY 10036
		Renaissance Inc.	3 East 54 <sup>th</sup> Street, Suite 603 New York, NY 10022
		RJNY dba Verigold	3 East 54 <sup>th</sup> Street, Suite 603 New York, NY 10022

CFR Citation	Reporting Requirement	Name (Domestic)	Address
§32.12 (b)(2)	Name and address of the person who owned or possessed the product or material, into which byproduct material has been introduced, at the time of introduction	Rosy Blue Jewelry	529 Fifth Ave 12 <sup>th</sup> Floor New York, NY 10017
		Sanghavi Diamonds Inc.	22 West 48 <sup>th</sup> St., Suite 200 New York, NY 10036
		Sparkling Jewels	50 West 47 <sup>th</sup> Street, Suite 2007 New York, NY 10036
		Stuller Inc.	302 Rue Louis XIV Dept 45 Lafayette, LA 70508
		Suashish Jewels	5525 North MacArthur Blvd Ste 538 Irving, Texas 75038
		TACORI	302 Rue Louis XIV Dept. 45 Lafayette, LA 70508
		VIVA GEMS USA	5525 North MacArthur Irving, TX 75038

CFR Citation	Reporting Requirement	Name (International)	Address
§32.12 (b)(2)	Name and address of the person who owned or possessed the product or material, into which byproduct material has been introduced, at the time of introduction	JB Trading BKK Co . LTD	119-121 Soi Suksawitthaya (Sathorn Soi 12), Sathorn Nua Road Silom, Bangrak, Bangkok Thailand 10500
		Exquisite Color Kraft Pvt Ltd	472-A Acharya Kriplani Marg Adarsh Nagar, Jaipur 302004 INDIA
		International Mineral and Gems	322/53 21 FL Surawongwatthanakam Bldg, Bangkok Gem, Sipraya Bangrak Bangkok Thailand 10500
		Keen Jade	No.1 Hok Yuen Street East, Room 1202, 12th Floor Fu Hang Industrial Bldg Hungghom, Kowloon Hong Kong
		Rbhava & Pt Collections	No.1 Hok Yuen Street East, Room 1202, 12th Floor Fu Hang Industrial Bldg Hungghom, Kowloon Hong Kong
		Sunjewels Pvt Ltd	PNA House, Plot NO. 57 & 57/1 St. No. 17 MIDC Marol Andheri (East) Mumbai India 400093
		Sunny Gems	Unit 715, Block A, Focal Industrial Ctr, 21 Man St Hungghom, Kowloon, Hong Kong

CFR Citation	Reporting Requirement	Quantity	Radionuclides <sup>(1)</sup>	
§32.12 (b)(3)	The type and quantity of radionuclide introduced into each product or material	0 – 500 Bq/g	Ta-182	Zn-65
			Mn-54	Na-22
			Sc-46	S-35
			Cs-134	P-32
(1) Radionuclides listed are known to be the predominate activation products associated with irradiated gemstones. Other radionuclides may be produced but these are produced at levels below the exempt concentrations.				
CFR Citation	Reporting Requirement	Initial Concentrations		
§32.12 (b)(4)	The initial concentrations of the radionuclide in the product or material at time of transfer of the byproduct material by the licensee	The concentrations of all radionuclides identified in irradiated gemstones are such that the sum of the ratios of the radionuclide concentrations to their respective exempt concentrations are $\leq 0.99$ .		