NRC FORM 591M P (07-2012) 10 CFR 2.201	SAFETY INSPECTION	REPORT A		CLEAR REGULATORY	COMMISSION			
1. LICENSEE/LOCATI	ON INSPECTED:	*	2. NRC/REGIONAL OFFICE					
PETNET Solutio 3635 Vista Ave. St. Louis, Misso	ons, Inc. uri	Region III U. S. Nuclear Regulate 2443 Warrenville Road Lisle, IL 60532-4352	Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352					
REPORT NUMBER(s) 2014-001			,				
3.DOCKET NUMBER(3 030-38230 مما	») (030-38228	41-32720-03	and 41-32720-04MD	June 6 , 2014				
LICENSEE: The inspection was a Regulatory Commiss procedures and repro- 1. Based or 2. Previous	an examination of the activities conduction (NRC) rules and regulations and the sentative records, interviews with per the inspection findings, no violations violation(s) closed.	ted under your lice he conditions of yo sonnel, and observ were identified.	nse as they relate to radiation safe ur license. The inspection consist vations by the inspector. The insp	ety and to compliance wil ed of selective examinati ection findings are as foll	th the Nuclear ons of lows:			
 The violations(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied. 								
	Non-cited violation(s) were discussed involving the following requirement(s):							
				•				
	•		•	•				
4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance								
(Violation	s and Corrective Actions)	•			•			
		•			•			
		•			•			
Statement of Corrective Actions I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). Lunderstand that pofutber written records to NBC will be required, unless specifically requested								
TITLE	PRINTED NAME		SIGNATURE		DATE			
LICENSEE'S REPRESENTATIVE				· · · · · · · · · · · · · · · · · · ·				
NRC INSPECTOR	Geoffrey M. Warren		Dyeu-		6/6/14			
BRANCH CHIEF	Aaron T. McCraw		1.TM	/	6/23/14			
	4 (07, 0040)							

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NRC FORM 591M PART 3 (07-2012)	Г	U.S. NUCLEAR REGULATORY COMMISSION						
DOCKET FILE INFORMATION SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION								
1. LICENSEE/LOCATION INSPECT	ED:	2. NRC/REGIONAL OFFICE						
PETNET Solutions, Inc. 3635 Vista Ave. St. Louis, Missouri			Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352					
REPORT NUMBER(S) 2014-0)01			-				
3. DOCKET NUMBER(S)		4. LICENSE NUMBER(S	3)	5. DATE(S) OF INSPECTION				
030-38230 and 030-38228	5	41-32720-03 and 41-32720-04MD		June 6, 2014				
6. INSPECTION PROCEDURES USF	ED	7. INSPECTION FOCU	7. INSPECTION FOCUS AREAS					
87125, 87127		03.01 - 03.07, 03.01 - 03.07						
SUPPLEMENTAL INSPECTION INFORMATION								
1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTAC	л	4. TELEPHONE NUMBER				
03210, 02500	2	John Beyer, R.Pl	h, RSO	(314) 577-8800				
✓ Main Office Inspec	✓ Main Office Inspection Next Inspection Date: June 6, 2016							
Field Office Inspection								
Temporary Job Site Inspection								
PROGRAM SCOPE								
This was a routine, unant fluorine-18 (F-18) under other chemical forms und technologist, and one cyc regular customers located worked evenings. Two c	the -03 license and a ler the -04MD license clotron engineer, and d in Missouri and Illin or three cyclotron run	At this facility, PE radiopharmacy fo e. At this site, the the licensee used nois, and distribut s were scheduled	ETNET operated a cyclo r production and distribu- company employed two contract couriers to deliv ed 20-40 doses daily. T daily, unloading betwee	otron for production of ution of F-18 FDG, NaF, and o pharmacists, one production ver doses. The licensee had 17 he cyclotron engineer typically n 4:00 and 6:30 am. Shipments				

Performance Observations: The inspector observed F-18 receipt from the cyclotron, QC sample collection and evaluation, dose drawing, dose packaging and surveys, package preparation and survey, package labeling, shipping paper preparation, daily surveys, and package return surveys. Licensee personnel demonstrated chemistry reagent setup and dose calibrator constancy, and described waste disposal, shipping paper placement, package blocking and bracing, cyclotron operation and maintenance, oversight of cyclotron operation, emergency procedures, and control of public dose. The inspector noted no concerns with these activities. The inspector observed that the licensee used remote handling systems and a hot cell for dose preparation and long-handled tools and proper shielding for doses outside the hot cell. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.

were typically shipped out of the facility by 8:00 am. The maximum dose received by licensee personnel in 2013 was 1764 mrem whole body and 14.0 rem extremity, and for 2014 to date, 420 mrem whole body and 10.2 rem extremity.

The inspector observed that the garden area remains off limits to visitors, though the licensee has requested removal of the restriction.