DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
19701 Fairchild	08/18/2014 - 08/25/2014		
Irvine, CA 92612	FEINUMBER		
(949) 608-2900 Fax: (949) 608-4417	3004600090		
Industry Information: www.fda.gov/oc/indu	stry		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED			
TO: Mr. Glen A. Olsheim, Chief Operating	Officer		
FIRM NAME	STREET ADDRESS		
California Pharmacy & Compounding Center	4000 Birch St Ste 120		
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED		
Newport Beach, CA 92660-2258	503B Outsourging Facility		

This document lists observations made by the FDA representative(s) during the inspection of your facility. They are inspectional observations, and do not represent a final Agency determination regarding your compliance. If you have an objection regarding an observation, or have implemented, or plan to implement, corrective action in response to an observation, you may discuss the objection or action with the FDA representative(s) during the inspection or submit this information to FDA at the address above. If you have any questions, please contact FDA at the phone number and address above.

DURING AN INSPECTION OF YOUR FIRM WE OBSERVED:

Facilities and Equipment System

#### **OBSERVATION 1**

Aseptic processing areas are deficient regarding the system for monitoring environmental conditions.

Specifically,

- A. Your firm failed to conduct environmental monitoring of air, personnel and surface during daily production periods, within the ISO 7 clean room and ISO 5 laminar flow hoods used to prepare your sterile drug products. For example:
  - a) During the period covering March 21<sup>st</sup> 2014 to June 19<sup>th</sup> 2014, no environmental monitoring of air, personnel, or surface was performed by your firm. During this period, an average number of sterile formulations were compounded, filled and released from your facility per day.
  - b) During the period of January 26<sup>th</sup> 2014 to March 19<sup>th</sup> 2014, no environmental monitoring of air, personnel, or surface was performed by your firm. During this period, approximately sterile formulations were compounded, filled, and released from your facility per day.
- B. Your firm does not monitor personnel and environmental bio-burden within your sterile processing facility during production periods. For example:
  - a) Your firm does not perform microbiological sampling of personnel gowns worn by pharmacists and technicians that process drug products intended to be sterile in aseptic processing areas. On 8/18/2014, we reviewed environmental monitoring records that

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and of stated worm tested perform writte Instrustion samp chest b) There are unthese work Environal a b c d d e	rmed for microbial contamination on procedure which guides the global contamination of procedure. Gloved Fingertip Sampling ling and testing of personnel fingers, and masks.  The are (b)(4) ISO 5 LFH (laminar flowed on a (b)(4) basis. However, you LFH's at least on a (b)(4) basis. Surfaces as follows per SOP conmental Monitoring Procedure. On 07/18/14, LFH (b)(4) was (b)(4) was On 08/02/14, LFH (b)(4) was (b)(4) was (b)(4) was (b)(4) was	mipulations was as collected to essing areas. A tic process, not at least daily oved fingertip sag Procedure" der tips as well	tested. Your chief opermonitor the microbial ladditionally, operators's after production, and but ampling; AWI 4.30 titled oes not have a defined somonitoring other areas are defined environmental reformed environmental reformed environmental ded "Area Work Instructions of the company of th	erating officer oad of gowns finger-tips are testing is not (b)(4). The d "Area Work frequency for such as arms,
	Th		ot specify that each hood	be tested at a
certain frequenc	у.			
OBSERVATION	2			
Separate or defined of drug products.	areas to prevent contamination or mix-up	os are deficient reg	arding operations related to a	septic processing
The state of the s	of sterilized stoppers (inside I			
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TO: Mr. Glen A. Olsheim, Chief Operating	Officer		
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sterile products are loaded into totes and stored inside the ISO 8 ante room for upwards of to use inside the clean room, the sterility and endotoxin of these stoppers are not verified. The tote bags are removed from the ante room and moved into the clean room, where the tote bag is opened under ISO 5. Once open, the bag is left open on the LAF work surface for allowing the employee to make repeated retrieval of rubber stoppers from the bag based on the batch size of product being manufactured before resealing the bag and returned to the ISO 8 location. This process is repeated several times on different production days until the tote bag is emptied. The rubber stoppers are immediate contact surfaces for the sterile products and the process of opening the tote bag several times and picking out rubber stoppers before being stored under ISO 8 conditions may pose a contamination risk to the product. For example, this same lot of serum bottle stopper

Date made	Quantity	Product	Lot#
(b) (4)	(b) (4)	Nandrolone Decanoate Oil Injection 100mg/ml	B717389
		Hydroxyprogesterone Caproate 250mg/ml	B041214A
		Progesterone in Ethyl Oleate 50mg/ml	B041314A
		Progesterone in Ethyl Oleate 50mg/ml	B050714A
		Hydroxyprogesterone Caproate 250mg/ml	B052314R
		Hydroxyprogesterone Caproate 250mg/ml	B071714A
		Progesterone in Ethyl Oleate 50mg/ml	B071814A

B. Your firm does not perform closure container integrity test to verify that your products are adequately protected from leaks and ingress of microorganisms. For example, your firm uses a seal your finished product vials.

### **OBSERVATION 3**

The separate or defined areas and control systems necessary to prevent contamination or mix-ups are deficient.

Specifically, your clean room design is deficient to prevent product contamination. For example:

A. The air exhaust vents located in your ISO 7 and ISO 8 cleanrooms open into a non-classified area of the facility. On 8/18/2014, we observed that the modular clean rooms have air exhaust vents located on the base of the wall. The air vents open directly to the unclassified

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environment surrounding the clean room, increasing the potential for air exchanges between the ISO 7 and ISO 8 cleanrooms and the non-classified environment, and an influx of contamination from the unclassified area of low air quality into the clean room due to the lack of proper air pressurization (there is no pressure differential monitoring between the classified and unclassified areas as well as between ISO 7 and ISO 8 areas). Additionally, there is no program in place for pest monitoring at the facility.  B. The exhaust vents located in the ISO 7 cleanroom were partially blocked by a metal table, obstructing air flow/return. On 8/18/2014, we observed that the air vents exhaust located on the base of the wall directly opposite the laminar flow hood inside your ISO 7 clean room were obstructed by a silver colored metal table which held tote bags and sterile components used in the production of your sterile drug products. The blockage of the air exhaust vents may pose a potential risk of airflow turbulences inside the source of ISO 5 laminar flow hoods located inside this ISO 7 clean room.  C. Your firm failed to calibrate the pressure gauges; used to monitor air pressure of ISO 7 and ISO 8 clean rooms.  D. There is no documented unidirectional air flow between ISO 5 work benches where aseptic manipulation of drug products occurs and room spaces classified as ISO 7 areas.			
wi	thin ISO 5 areas used to sterilize and f	ill drug product unit containers.	
OBSERVATIO	N 4		
Aseptic processi aseptic condition	ng areas are deficient regarding the system fo as.	r cleaning and disinfecting the room and equ	ipment to produce
Specifically, The frequency of cleaning and disinfection of your cleanroom is inadequate for the operations being performed. Your firm compounds an average of daily but the clean rooms (walls and floor) are only cleaned germicidal solutions such as sporicidal cleaning agent to clean the ISO 5 environment. Per the Quality Assurance Director, the ISO 5 hoods are cleaned with solutions and least solutions of your cleanroom is inadequate for the operations of your cleanroom is inadequate for the operation of your cleanroom is i			
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Irvine, CA 9 (949) 608-290			3004600090	
Industry Info	rmation: www.fda.gov/oc/indu	stry		
TO: Mr. Gler	TO WHOM REPORT ISSUED  A. Olsheim, Chief Operating	Officer		
FIRM NAME		STREET ADDRESS	Bark Weekin sarkeraso	
California Ph	armacy & Compounding Center	4000 Birch		
Newport Beach	, CA 92660-2258	503B Outsou	rcing Facility	
firm does not ha	ve any cleaning procedure for ISO	5 hood in place	e yet.	
OBSERVATION	5			
OBSERVATION				
Equipment used in operations for its in	the manufacture, processing, packing or he	olding of drug pro	oducts is not of appropriate des	ign to facilitate
2000 V270000 2000	terided use.			
Specifically,				
A Your fir	m has not conducted equipment qu	ualification to	show that	(b) (4)
A. Tour III		sterilize rubber		(b) (4)
-			enate glassware achieve a	ppropriate log
reduction	n of microbes. Your firm does			
	ion of glassware and closure (ru			
products			while glassware and rubbe	
sterilized	d in the (b) (4) for		our firm only conducts	(b) (4)
of the (b) (4) (not (b) (4)) using (b) (4).				
· · · · · · · · · · · · · · · · · · ·				
B. Your firm has not validated sterilization method used to sterilize glass vials and rubber stoppers				
used in the storage of sterile drug products to ensure sterility of glass vials and rubber stoppers.				
Quality System				
OBSERVATION	6			
Clothing of personnel engaged in the manufacturing, processing, and holding of drug products is not appropriate for the				
duties they perform.				
Specifically, go	wning for sterile operation is inadec	quate in that		
	ile face masks, hair nets, and shoe		175 N	sing of sterile
drug production in the ISO 5 horizontal laminar air flow hoods.				
B. Street scrubs are worn covered with sterile gown but the scrubs are still exposed during				
The state of the s	on of sterile products.	Bonn out	THE DELECTION OF CHILD WAT	1
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TO: Mr. Glen A. Olsheim, Chief Operating			
FIRM NAME	STREET ADDRESS		
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	TOTAL PROPERTY OF STREET		
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C. There are no sterile goggles worn during pro			
D. There is facial skin exposure during produc	tion of sterile products.		
E. Employees can bring cell phones and head phones to listen to media during production of sterile products.			
For example,			
a) On 8/18/2014, we observed your Pharmac	sist ( (6)) and Pharmacy technicians (b) (6) during		

aseptic processing (compounding and filling) of sterile human drugs (Bevacizumab 2.5mg/0.1ml PFS syringe; lot #B081814) inside the ISO 7 cleanroom and ISO 5 laminar flow hood, wearing non-sterile glasses (without goggles), non-sterile face masks, and non-sterile hair nets. We also observed had head phones (worn beneath non-sterile hairnet) connected by wires to a cell phone (stored in plastic bag) placed inside the hood (within 6

neck region exposed during aseptic processing (compounding and filling) of sterile human drugs (Bevacizumab 2.5mg/0.1ml PFS syringe; lot #B081814). During the performance of this sterile operation, they had their foreheads inside the ISO 5 laminar flow hoods where there was no physical barrier between their exposed skin or the non-sterile face masks and the open

from under the gowns worn during the aseptic processing of sterile Bevacizumab 2.5mg/0.1ml PFS syringe; lot #B081814, inside the ISO 7 cleanroom and ISO 5 laminar flow

and engaged in the aseptic production of sterile Bevacizumab 2.5mg/0.1ml PFS syringe; lot #B081814 while wearing shoe covers over their shoes; the shoe covers were donned inside a

INSPECTIONAL OBSERVATIONS

(b)(6)) had their forehead, eyebrows, eyelashes, and

(b)(6)) street clothes were protruding

(b) (6) entered the cleanroom

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inches from the hood's edge) to listen to media.

c) On 8/18/2014, we observed that the employees'

d)On 8/18/2014, we also observed that the employees (

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non-classified area of the facility.

EMPLOYEE(S) SIGNATURE

10 ml Bevacizumab glass vials on the LFH work surface.

b) On 8/18/2014, the employees

hoods.

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#### **OBSERVATION 7**

Written records are not made of investigations into unexplained discrepancies.

Specifically, your firm failed to document internal investigation of three cases of product leakage in transit during shipment for sterility tests. For example,

- 1. On 5/14/2014, one sample of Oxytocin Nasal Spray 360 iu/ml solution (sterile); lot #B051414B leaked during transit to the sterility testing laboratory;
- On 07/01/2014, one sample of Oxytocin Nasal Spray (Investigational study IND # 100,860) 120 iu/ml solution; lot AB062614 was found to have leaked out during transit to the sterility testing laboratory;
- 3. On 07/01/2014, one sample of Oxytocin Nasal Spray (Investigational study) 120 iu/ml solution; lot RB062614 was found to have leaked out during transit to the sterility testing laboratory.

According to the chief operating officer and quality control specialist, your firm conducted an in house investigation to find the root cause of the leaks, from the investigation; the firm determined the root cause and implemented corrective action. However, there is no written documentation of the steps involved in the investigation, the corrective action and effectiveness checks of the corrective action taken.

## **Laboratory System**

## **OBSERVATION 8**

Employees are not given training in the particular operations they perform as part of their function, current good manufacturing practices, and written procedures required by current good manufacturing practice regulations.

Specifically,

A. Your firm does not have a written and approved employee training procedure to guide your technicians during conduct of sterile aseptic processes including frequency of training. There are no employee training logs documenting how and when each employee was trained in aseptic processes.

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California Ph	armacy & Compounding Center	4000 Birch S		
Newport Beach	, CA 92660-2258	TYPE ESTABLISHMENT INSP	rcing Facility	
B. There is a	lso no training procedure for employees to	perform 100% vis	ual inspection checks of sterile	drug products.
OBSERVATION  Each batch of drug  Specifically, you 200mg/ml solut		oratory tested to det	termine conformance to such re	requirements.
assure that drug pro	s do not include the establishment of scient oducts conform to appropriate standards of ur firm's practice of visual inspection	identity, strength,	quality and purity.	esigned to
checks, a the Phar firm has	m's product inspection process is against a contrasting background of macist in Charge (PIC), about not established a written procedure /2014, during a demonstration of voyee shook the vials when inspection	f your sterile lice of the finished of for performing risual check by	quid formulations prior to products are visually insign products visual checks.  your pharmacist ( ), I	o release. Per pected. Your observed that
Specifically, yo the time of release A. Thirty the and four	testing are not used in determining expira ur firm fialed to conduct preserationse. For example:  aree (33) different sterile formulation teen (14) different sterile formulat without performing preservative co	ns containing	(b) (4	ed products at preservative ervative were
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Products using (b) (4) as preservative:

Product	Risk	Descourative (b)(4)	BUD
Vancomycin opthalmic 14mg/ml lot B718067 (1)	Sterile to sterile		9 days
DMSO/Glutathione 1.25% opthalmic lot B713477 (1)	Non-sterile to sterile		3 days
Voriconazole opthalmic 10mg/ml lot B721598	Sterile to sterile		9 days
Vancomycin opthalmic 14mg/ml lot B718067 (2)	Sterile to sterile		9 days
Mometasone Nasal 600mcg/2.5ml lot B721084	Non-sterile to sterile		3 days
Voriconazole opthalmic 10mg/ml lot B720846	Sterile to sterile		9 days
EDTA opthalmic 2% lot B720464	Non-sterile to sterile		3 days
DMSO/Glutathione 1.25% opthalmic lot B713477 (2)	Non-sterile to sterile		30 days
Voriconazole opthalmic 10mg/ml lot B720406	Sterile to sterile		9 days
Vancomycin opthalmic 14mg/ml lot# B718067 (6/10/2014)	Sterile to sterile		9 days
Vancomycin opthalmic 14mg/ml	Sterile to sterile		9 days

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lot B720223			
Vancomycin opthalmic 15mg/ml lot B719847	Sterile to sterile	(b) (4)	9 days
Voriconazole opthalmic 10mg/ml lot B719498	Sterile to sterile		9 days
Voriconazole opthalmic 10mg/ml lot B719607	Sterile to sterile		9 days
Voriconazole opthalmic 10mg/ml lot B719498	Sterile to sterile		9 days
Vancomycin opthalmic 15mg/ml lot B718067(3) 5/17/14	Sterile to sterile		9 days
Interferon Alfa 2B opthalmic lot B710261	Non-sterile to sterile		14 days
Dexamethasone opthalmic 0.1% lot B050714B	Non-sterile to sterile		14 days

In addition to the eighteen products depicted in the above table, fifteen product lots were also compounded using (b)(4) as a preservative.

Products using (b) (4) as preservative:

Product	Risk	Preservative	BUD
Nadrolone Decanoate 100mg/ml inj lot B717389	Non-sterile to sterile	(b) (4)	90 days
Hydroxyprogesterone caproate in castor oil lot B041214A	Non-sterile to sterile		180 days
Progesterone in ethyl oleate lot B041314A	Non-sterile to sterile		90 days

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Progesterone in ethyl oleate lot B050714A	Non-sterile sterile	to	(b) (4)	90 days
Hydroxyprogesterone caproate in castor oil lot B052314R	Non-sterile sterile	to		180 days
Hydroxyprogesterone caproate in castor oil lot B071714A	Non-sterile sterile	to		180 days
Progesterone in ethyl oleate lot B071814A	Non-sterile sterile	to		90 days
Progesterone Cypionate 120mg/3mg/ml inj lot B717688	Non-sterile sterile	to		3 days
Nadrolone Decanoate 200mg/ml inj lot B720802	Non-sterile sterile	to		3 days
Phosphatidylcholine/Deoxycholic acid inj 5%/4.2% lot B720839	Non-sterile sterile	to		3 days
Phosphatidylcholine/Deoxycholic acid inj 5%/4.2% lot B720838	Non-sterile sterile	to		3 days
Testosterone cypionate 120mg/3mg/ml inj lot B717688	Non-sterile sterile	to		3 days
Testosterone propionate 200mg/ml inj lot B720246	Non-sterile sterile	to		3 days
Nadrolone Decanoate 200mg/ml inj lot B720024	Non-sterile sterile	to		3 days

# **Production System**

## **OBSERVATION 12**

Procedures designed to prevent microbiological contamination of drug products purporting to be sterile do not include validation of the sterilization process.

Specifically, media fill simulations are deficient:

A. They do not simulate the worst case scenario in your sterile process, including the retrieval of

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Industry Information: www.fda.gov/oc/indu:	stry		
TO: Mr. Glen A. Olsheim, Chief Operating	Officer STREET ADDRESS		
California Pharmacy & Compounding Center	4000 Birch St Ste 120 TYPE ESTABLISHMENT INSPECTED		
Newport Beach, CA 92660-2258	503B Outsourcing Facility		
sterile rubber stoppers from sterile tote ba capping process.  B. Additionally, your media fills do not simulength of production times.	gs opened for in the LFH and the late acceptable hold times including the maximum		
Procedures for the preparation of master production and control records are not followed.  Specifically, your firm's logged formulation worksheet (LFW) documenting the production steps of Hydroxyprogesterone caproate 250mg/ml injectable was not followed during the compounding. Your firm's technicians used inside the ISO 8 anter room to before transferring it to the ISO 5 laminar flow hood in the ISO 7 clean room for filling. The LFW states that "all procedures shall be performed in a laminar flow hood clean air workstation within a cleanroom, utilizing aseptic technique."			
Packaging and Labeling System			
OBSERVATION 14			
Strict control is not exercised over labeling issued for use in d	rug product labeling operations.		
Specifically, your firm's label procedure SOP 8.00, Effective Date 07/18/14 titled "Standard Operating Procedure: Labeling, Storage, Shipment and Disposal Procedure" is deficient in that it fails to address label issuance, identification, storage, handling, sampling, and reconciliation. In actual practice, any pharmacist can print out a number of labels for use.			
OBSERVATION 15			
The labels of your outsourcing facility's drug products do not include information required by section 503B (a)(10)(A )and (B).			
[	g products do not include the statements, "This is a Use Only." The labels affixed to the drug products		

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INSPECTIONAL OBSERVATIONS

08/25/2014

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Ademola O. Daramola, Investigator

Binh T. Nguyen, Investigator

PREVIOUS EDITION OBSOLETE

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OF THIS PAGE

FORM FDA 483 (09/08)

DEPARTMENT OF HEAT FOOD AND DRU	LTH AND HUMAN S	ERVICES	
DISTRICT ADDRESS AND PHONE NUMBER		DATE(S) OF INSPECTION	
19701 Fairchild		08/18/2014 - 08/25/2014	
Irvine, CA 92612		FEINUMBER	
(949) 608-2900 Fax: (949) 608-4417		3004600090	
Industry Information: www.fda.gov/oc/industry			
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED			
TO: Mr. Glen A. Olsheim, Chief Operating	Officer		
FIRM NAME	STREET ADDRESS		
California Pharmacy & Compounding Center	Center 4000 Birch St Ste 120		
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED		
Newport Reach CA 92660-2258	503B Outcourging Facility		

also do not include the following required information: name, address, phone number of your outsourcing facility; dosage form and strength; statement of quantity or volume, as appropriate; date drug was compounded; expiration date; and storage and handling instructions.

Furthermore, neither the drug product label nor the container from which the individual units of the drug are removed for dispensing or administration include a list of inactive ingredients, identified by established name and the quantity or proportion of each ingredient.

In addition, the container from which the individual units of the drug are removed for dispensing or administration do not contain the following information to facilitate adverse event reporting: <a href="https://www.fda.gov/medwatch and 1-800-FDA-1088">www.fda.gov/medwatch and 1-800-FDA-1088</a> <a href="https://www.fda.gov/medwatch and 1-800-FDA-1088">http://www.fda.gov/medwatch and 1-800-FDA-1088</a>.

Labels for the following drug products do not contain all of the required information described above:

- i. Vancomycin Intravit 1MG/0.1ML Sol.
- ii. Bevacizumab/Dexameth 1.25MG/1MG/0.1ML Sol.
- iii. Proparacaine Opth 0.05% Sol
- iv. Bevacizumab 1.25MG/0.05ML Sol.
- v. Ceftazidime Intravit 2.25MG/0.1ML Sol

	EMPLOYEE(S) SIGNATURE	DATE ISSUED
SEE REVERSE OF THIS PAGE	Ademola O. Daramola, Investigator Binh T. Nguyen, Investigator	08/25/2014
	INCHESTIONAL OPERDVATIONS	BUCE IN OF IN BUCEE

The observations of objectionable conditions and practices listed on the front of this form are reported:

- 1. Pursuant to Section 704(b) of the Federal Food, Drug and Cosmetic Act, or
- 2. To assist firms inspected in complying with the Acts and regulations enforced by the Food and Drug Administration

Section 704(b) of the Federal Food, Drug, and Cosmetic Act (21 USC 374(b)) provides:

"Upon completion of any such inspection of a factory, warehouse, consulting laboratory, or other establishment, and prior to leaving the premises, the officer or employee making the inspection shall give to the owner, operator, or agent in charge a report in writing setting forth any conditions or practices observed by him which, in his judgement, indicate that any food, drug, device, or cosmetic in such establishment (1) consists in whole or in part of any filthy, putrid, or decomposed substance, or (2) has been prepared, packed, or held under insanitary conditions whereby it may have become contaminated with filth, or whereby it may have been rendered injurious to health. A copy of such report shall be sent promptly to the Secretary."