

**HSA BUILDING FACT SHEET**

**Building No. / Name** Building #1075 (Patterson Health Clinic)  
**Installation** Fort Monmouth

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**Original / Former Use**

Garrison Hospital

**Current Tenant / Use**

(MEDDAC) Patterson Health Clinic

**Construction Information**

<b>Date of Construction:</b>	<u>1961</u>	<b>Construction Material:</b>	<u>Concrete &amp; cinderblock</u>
<b>Total Sq. Footage:</b>	<u>117,657</u>	<b>Renovation Information:</b>	<u>Unknown</u>
<b>Floors:</b>	<u>3</u>	<b>Current Building Status:</b>	<u>Existing</u>

**Sources of Information** (*Document No's Used, Interviews, etc.*)

- Document Reviews – Ref. 027, Ref. 029, Ref. 035, Ref. 047, Ref. 078, Ref. 079, Ref. 080
- Site Visit and Interviews – Ref. 004, Ref. 007

**Radiological Data Summary** (*RCOPCs, Impacted Room(s) / Area(s), etc.*)

- Safety-Kleen had a schedule of instrument removal (photographic units) in 2003-2004 from Building 1075 (Ref. 027).\*
- X-Ray machine calibration and maintenance surveys were conducted at the Health Clinic, documented in 1995 (Ref. 029).\*
- A Radiation Protection Survey completed in 1983 specifically mentions the use of I-125 in the “In-Vitro Clinic”; a small weekly volume of tests were performed and Health & Safety monitoring was considered adequate. Waste disposal included flushing all liquids down the hot sink, containers were flushed with cold water and checked for contamination before disposal as normal lab waste (rad labels were defaced) (Ref. 035).
- CECOM Safety Radiological inventory lists (Ref. 047) include Building 1075, but only in reference to the presence of x-ray machines.\*

\*Note that these reports were reviewed, however X-Ray machines are not applicable to any NRC Licenses or HSA activities; these are provided for informational purposes only.

Radiology Department uses only x-ray machines, but no radioactive isotopes. Film badges are only used by x-ray personnel. However, because X-Ray machines only produce ionizing radiation fields via AC or DC sources of energy, they are not considered sources of contamination and do not cause or result in HSA impacted areas. A nurse (Crystal Parrish, LPN) who was employed in late 1960s - 1970s remembered use of radioisotopes in the lab (I-125), where it was prepared and then taken to clinic for thyroid treatment in patients; employees working in these areas were monitored through use of film badges and bioassay tests.

The hospital had used a pathological waste incinerator located on the west side of the building (from 1970 to 1992) to burn infectious paper and plastic and later Type 4 hospital waste (animal solids and organic wastes). Throughout its use, it tended to exceed emissions standards and was ultimately closed in 1992 and demolished in 1993. Following the demolition, the grounds around

**HSA and Addendum to Environmental Condition of Property  
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the incinerator location appeared free of ash and debris (Ref. 079) and the site is considered "Response Complete" (Ref. 080). Currently, all hospital waste is now shipped off-site; Steris Cycle is contracted to remove hazardous medical waste, although there is no record of radioactive waste included with these materials.

The indicated use of I-125 in the hospital prior to 1990 results in a 'no detectable contamination situation' due to the small anticipated amounts of I-125 used for the *In-Vitro Clinic*, the short half life of the radioisotope (60 days), and no documented use of I-125 use after 2000. The reduction in any plausible I-125 radioactivity due to decay results in no detectable I-125 radioactivity in and around the hot sink, any containers used, or the general work areas where the radioactive material was administered or used.

**Preliminary MARSSIM Classifications**

Non-Impacted

**Site Visit Information** (Date Toured, Site Contact, Security Issues, Photos Taken)

Site visit conducted June 11, 2006, by Hank Siegrist and Michele Driscoll, accompanied by representatives from Shaw Environmental. Site contacts are Bruce Pelka, CIH and Tim Nolan. Site visit included interviews with building operators, visual inspection, and photographs.

**Additional Information**

None

**Representative Photographs/Floor Plans/Drawings**

Floor plan provided.



**Fort Monmouth, Building 1075 – Patterson Health Clinic, Hazardous Waste Storage**



**Fort Monmouth, Building 1075 – Patterson Health Clinic,  
Possible location of former incinerator**