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Title: REVIEW OF COMMERCIAL AND INDUSTRIAL TYPE FACILITIES (2/1/51)

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RG 181 AGENCY/NRDL



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Access No. 181 60A269 Box 7 of 12

3-141A-415
LW:ls
1 FEB 1955

Folder A9 Reports +

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*LTR DNA SWISHER TO
JOE MA-225, 1-23-90

From: **Commanding Officer, U. S. Naval Radiological Defense Laboratory**
To: **Chief, Bureau of Ships**

Subj: **Review of Commercial and Industrial Type Facilities**

Ref: (a) BuShips Instr 4860.5, Ser 741-290 of 16 Apr 1954
(b) CO USNRDL ltr 3-141A-378 of 19 May 1954

Encl: (1) Summary Report on Decontamination Facility

1. References (a) and (b) were discussed with CAPT R. K. Ashton on the occasion of his visit to this Laboratory on 18 January 1955 and it was agreed that a special report would be submitted on a clothing decontamination operation conducted at this activity and involving the use of industrial-type washing machines and equipment.

2. Enclosure (1) summarizes pertinent data prepared as requested. It was agreed that cost data (Item 13) would be omitted as being inapplicable.

3. It may be noted that the building and equipment identified with the subject facility is under the control of the San Francisco Naval Shipyard. The San Francisco Naval Shipyard has, pending completion of Building 815, allowed NRDL personnel to use the space and equipment in Building 503 with the understanding that whatever SFNS clothing is exposed to radioactive contamination will be monitored and decontaminated on a mutual courtesy basis. This arrangement will terminate on or about 1 March 1955, the scheduled date of occupancy of Building 815, at which time the space and equipment in Building 503 will revert to the full control of SFNS. Special decontaminating equipment has been installed in the new building, and it is probable that NRDL will continue to service SFNS clothing and apparel that has been exposed to radioactive contamination.

4. Clothing and apparel accepted at the subject facility is limited to items that have been exposed to radioactive contamination, and the sole purpose is to reduce the radiological contamination to the accepted safe level. Some clothing is later sent to a Navy-operated laundry for final cleaning and pressing, while such items as coveralls are re-issued without cleaning and pressing. All SFNS "hot" clothing received at the subject facility is monitored, processed, re-monitored, and returned to SFNS for laundering and pressing as required.

R. A. HINNERS

1 FEB 1955

Director

R. A. HINNERS

FORM 1-54 (REV. 1-54)

Code	3-141A	3-141	3-140	Director	3-100	
Reviewed by	<i>AD</i>	<i>JS</i>	<i>JS</i>		<i>LA</i>	
Date		1/27/55	1/27			

Initials hereon indicates that the person initialing has read and approved the correspondence and has no recommendation to make as to change therein.

A9

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SUMMARY REPORT OF INFORMATION RESPECTING COMMERCIAL AND INDUSTRIAL-TYPE FACILITIES
(REPORT CONTROL SYMBOL DD-S&L(AR) 140)

1. Type of Facility.

Clothing decontamination facility.

2. Name and address of facility.

This clothing decontamination facility is housed in one room of SFNS Building 503, which also houses the ships' galley and military support services.

3. Name and address of organization to which facility is directly responsible.

The subject facility is operated by MRDL personnel attached to the Plant Support Branch, Engineering Division, Administrative Department, USNRDL. On occasion, SFNS personnel have assisted in the operation.

4. Projected period covered for analysis purpose.

See accompanying letter.

5. Principal products or services to be produced or performed.

The service consists of reducing the level of contamination in Navy-owned protective wearing apparel to the point where it can safely be sent to a Navy-operated or commercial laundry.

6. Indicate whether: Government-owned and Government-operated.
Leased from private enterprise and Government-operated.

Government-owned and Government-operated.

7. Personnel to be engaged: Monthly Average Number - Military
Civilian
Total

One-half the time of one civilian per diem worker has been allocated to this operation. The facility is in operation during only one-half the scheduled workday.

8. Method of financing: a. Appropriated funds.
b. Working capital funds (specify).
c. Other.

Appropriated funds.

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Encl (1) to CO USNRDL ltr 3-141A-415 LFJ:lrs of

9. Value of facility and plant equipment.

The equipment used consists of two industrial-type washing machines, two extractors, and one dryer. The floor area is estimated at 1200 square feet.

10. Indicate:

a. Optimum capacity.

b. Estimated percentage of utilization of optimum capacity.

Since the equipment is not used for conventional laundry purposes, it is not considered that this question is applicable.

11. a. Has the feasibility of cross-servicing with other similar Federal facilities been investigated?

It is not believed that any other DOD or Federal activity is equipped to supply this unique service.

b. If yes, indicate the similar Federal facility considered:

<u>Name and address</u>	<u>Miles away</u>	<u>Comparative size</u>
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12. a. Has the feasibility of obtaining the product(s) or service(s) from similar Government-owned and privately-operated or privately-owned and operated facilities been investigated?

No privately-operated concern is known to be furnishing this type of service.

b. If yes, indicate the private facilities considered:

<u>Name and address</u>	<u>Miles away</u>
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13. Cost data (This portion will be filled out in accordance with paragraph 6c of the basic Instruction.)

See accompanying letter.

a. Total estimated cost of product or service for projected period. Include supporting cost statement showing details of projected cost estimate and comparison with historical costs, if feasible, in accordance with the principles outlined in Enclosure (3) of this Instruction.

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b. Unit costs:

<u>Name of Product or Service</u>	<u>Subject DOD Facility Unit Cost Estimate</u>	<u>Price Obtained from *Similar Private Facility(ies)</u>
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c. *Name and address of similar privately-owned and operated facility(ies) from whom prices obtained.

14. Action to be taken - indicate whether:

a. Facility discontinue operation on _____ (date)
Operation to be performed by _____ (name of activity)

b. Facility continue at current operating level.

It is expected that it will be essential to continue operation of the clothing decontamination facility at its present level.

c. Facility continue on modified level as follows:

d. Facility continue at increased level of operation as follows:

15. Justification for the action indicated in Item 14 above.

See accompanying letter.

16. Date of submission of previous analysis.

See accompanying letter.

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