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From: OCCUPATIONAL SAFETY AND HEALTH MANAGER NAS KEFLAVIK,
ICELAND
To: OFFICER IN CHARGE OF U.S. COAST GUARD, NAS KEFLAVIK,
ICELAND
Subj: ASBESTOS SURVEY AT GUFUSKALAR, SNÆFELLSNES LORAN-C
STATION

Ref: (a) 29 CFR 1910.1001
(b) OPNAVINST 5100.23B
(c) Icelandic regulation No. 74-75/1983

Encl: (1) Noise survey form

1. On 30 May 1990 an Asbestos survey was performed at Gufuskálar Snæfellsnes Loran-C station, Iceland, by request of Officer in charge U.S. Coast Guard. Survey and analysis of samples was performed by Mr. Thorgrimur St. Arnason, Safety Specialist of the OSH office.

2. Specific location where samples taken, and sample results were as follows:

a. Samples taken in Signal & Power building.

1. Sample IH-01719, taken from TRENCH COVER IN Transformer room, contained Chrysotile Asbestos.
2. Sample IH-01720, taken from Generator engine #1, exhaust pipe insulation, contained Chrysotile Asbestos.
3. Sample IH-01721, taken from Generator engine #2, exhaust pipe insulation, contained Amosite Asbestos.
4. Sample IH-01722, taken from Generator engine #4, exhaust pipe insulation, contained Amosite Asbestos.

b. Samples from Utility building for housing units A&B

1. Sample IH-01723, taken in Laundry room, pipe elbow insulation, contained Amosite Asbestos.
2. Sample IH-1724, taken in Laundry room, pipe insulation, contained non Asbestos.
3. Sample IH-01725 taken in Boiler room A, pipe insulation, contained Amosite Asbestos.

c. Sample taken in Housing A.

1. Sample IH-01726 taken in W/C room 2nd floor, tar paper, contained non-Asbestos.

d. Sample taken in Housing C.

1. Sample IH-01727 taken in Boiler room C, pipe insulation, contained Amosite Asbestos.

3. During survey Asbestos containing materials were identified in following building and areas:

a. Signal & Power building: Interior of concrete exterior walls of building are covered with Asbestos containing Transite wall boards, also most of the walls that divide the building up in to rooms, are made of same type material. How ever there are parts of the building which have been renovated, such as the office are, where walls are made of non Asbestos materials. The Asbestos containing Transite wall board covers approximately 5000 square feet. The wall board is in good condition, except for minor damage in garage of building, this damage should be repaired by qualified personnel. Cable trench covers in building, are made of Asbestos containing Transite blocks. All of the blocks seemed to be in good condition except for few blocks that were not painted, recommend all blocks be painted to eliminate potential asbestos contamination. Generator engine exhaust pipes on engines 1,2 and 4, are insulated with asbestos containing material, which is in poor condition. Recommend qualified personnel encapsulate or remove friable asbestos material.

b. Guest House: Pipes in attic and boiler room are insulated with asbestos containing materials, total length is approximately 150 liner feet. Good condition.

c. Mess and Recreation building: Pipes in attic are insulated with Asbestos containing material, total length is approximately 350 liner feet. Good condition

d. Utility building, housing units A&B, boiler room A: Hot water tank is insulated with Asbestos minor damage to insulation, size approximately 60 square feet. Encapsulation and repairs are required. Pipe insulation in this room contains Asbestos, good condition, total length is approximately 150 liner feet.

e. Utility building, housing units A&B, boiler room B: Hot water tank, Boiler stack and Expansion tank, are insulated with Asbestos, Minor damage to insulation, size approximate 115 square feet. Encapsulation and repairs are required. Pipe insulation in this room contains Asbestos, good condition, total length is approximately 150 liner feet.

f. Utility building, housing units A&B, laundry room A&B: Parts of pipe insulation contains Asbestos, minor damage to insulation, total length is approximately 30 liner feet. Encapsulation and repairs are required.

g. Housing unit C, boiler room: Asbestos insulated Hot water tank, good condition, size approximately 70 square feet. Pipe insulation in room contains Asbestos, good condition, total length is approximately 80 liner feet.

h. Housing unit C, laundry room: Parts of pipe insulation contains Asbestos, good condition, total length is approximately 30 liner feet.

i. Old transmitter building: The inside walls and ceiling of building are covered with Asbestos containing Transite wall board. The wall board is in good condition. Total area covered with Transite wall board is approximately 3500 square feet.

j. New transmitter building: The inside walls of the building are covered with Asbestos containing Transite wall board. The wall board is in good condition. Total area covered with Transite wall board is approximately 4000 square feet.

4. Asbestos containing materials were not found in other buildings surveyed. Those building are Housing units A&B, Storage building and Supervisor housing units.

5. All repairs or removal of asbestos containing materials shall be performed by qualified personnel, equipped with approved personal protective equipment, and special tools to perform asbestos work. No asbestos related work shall be undertaken without prior approval of the NAS Keflavik OSH Office Code:00G. Requirement of references (a), (b), and (c) shall be stringently enforced and complied with during asbestos repair or removal projects.

6. A noise evaluation was performed in the signal and power building generator room, converter room. Results are displayed in enclosure (1) which indicate excessive noise during operation of generators. Double hearing protection is required while generators are in operation. Power converter is in constant operation, noise levels are excessive. It is required that the converter be enclosed to reduce the hazardous noise levels.

7. If any further information is required please call the NAS Keflavik OSH office at ext 4417/4293.


MAGNUS GUDMUNDSSON

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NAVHOSP (Code 353)

NOISE SURVEY

!COMMAND: U.S. Coast Guard		!BUILDING NO.: Signal & Power		!ROOM NO.:	
!SHOP: Various		!COMPARTMENT NO.:			
!SOUND LEVEL METER		!CALIBRATOR		!METER ACTION	
!MFG: Gen-Rad		!MFG: Gen-Rad		!Slow: y	
!MODEL: 1562-B		!MODEL: 1562-A		!Impulse:	
!S/N: 38437		!S/N: 25848			
!MIC S/N:		!DATE/TIME OF SURVEY		!PRIMARY SOURCE OF NOISE	
!CAL DATE: 19 May 88		!CAL DATE: 11 Dec 89		!Running engine equipment	
!FIELD CALIBRATION:		!Date: 30 May 90			
!PRE: 11 dBA		!Time: 13:35		!SECONDARY SOURCE OF NOISE	
!POST: 11 dBA					

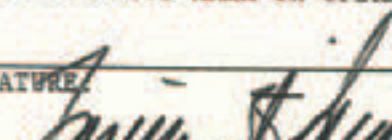
FACILITY OPERATIONS/FINDINGS:

Noise survey was conducted during running of emergency generator engines in engine room, and during normal running of power converter in converter room. Rooms were labeled as noise hazardous. Personnel shall wear double hearing protection (both plugs and muffs) while inside rooms during engine running.

SOUND LEVEL DATA

LOCATION OR EQUIPMENT NAME	(1)	(1)	(2)	(3)	NO. PERS! EXPO'D	(4)
	dBA (L)/(H)	dB (L)/(H)	84 dBA RAD FT	PPE W/ NRR		
Generator engine #1, running. Measurements taken inside room.	98/105	102/107	entire room	double PPE		
Generator engine #2, running. Measurements taken inside room.	100/107	101/107	entire room	double PPE		
Converter room, During normal running of converter	103/109	103/110	entire room	double PPE		

REMARKS: (1) - (L) = Lowest level. (H) = Highest level: If work process involves idle level and work level such as working equipment (running saw - cutting saw) use (L) for running and (H) for cutting.
 (2) - 84 dBA RAD FEET = Distance in feet from noise hazard requiring hearing protection (boundary radius).
 (3) - References: See OPNAVINST 5100.23B and NAVMEDCOMINST 6250.5 Series for selecting the appropriate hearing protection (PPE) according to Noise Reduction Rating (NRR).
 (4) - D/EXP (HRS) = Individual daily exposure expressed in hours.

!MORE DETAILED NOISE EVALUATION REQUIRED:		!NAME, PHONE NO., & ORGANIZATION OF SUPERVISOR OF NOISE HAZARDOUS AREA OR OPERATION:	
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
!SURVEY PERFORMED BY:		!SIGNATURE	
Arnason, Thorgrimur St.			
		!DATE:	
		30 May 90	