Inventory of Equipment, Machinery, Major Fixtures and Hazardous Materials at the Destruction Bay Pumping Station, Yukon Territories.

Prepared for
Indian and Northern Affairs Canada

August, 1998

Prepared by

Arctic Environmental Services Ltd., and KO KEN General Contractors

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1.0 Introduction

Indian and Northern Affairs Canada (DIAND) contracted Arctic Environmental Services Ltd. and KO KEN General Contractors to complete an inventory of equipment, machinery, major fixtures and hazardous materials at the Destruction Bay Pumping Station.

The Destruction Bay Pumping Station was one of a series of six stations in Canada constructed to pump fuel products across the Yukon into the U.S. in support of common defense efforts. Original construction and operation of these Stations was by the U.S. Military. Upon decommissioning, the stations ultimately were transferred to Indian and Northern Affairs Canada.

The Destruction Bay Pumping Station is a sister design to the Beaver Creek Pumping Station. The Main Buildings and contents are virtually identical. The reader is encouraged to read the Beaver Creek pumping Station report in conjunction with this one, in that sample results for building components in one would also be true for the other. The conclusions based upon these similarities are often identical as well. The writer has used these shared features to the maximum benefit of the project.

This current investigation is supplementary to two previous investigations completed during 1995, which focussed on the yard areas outside the buildings rather than on the buildings and interior items. These two former investigations produced the documents entitled ***"Haines Fairbanks Pipeline: Environmental Assessment of Beaver Creek, Donjek and Destruction Bay Pumping Stations"*** (Lorimer & Associates, Hemmera Resource Consultants Ltd., 1995); and ***"Preliminary Environmental Assessment Haines-Fairbanks Pipeline"***, UMA Engineering, Ambio Research Associates, 1995).

In addition, DIAND personnel has previously collected and removed all of the ballasts from the overhead light fixtures at the Station. We presume that some of these ballasts contained PCB's, although this has not been confirmed.

The work at the Destruction Bay Pumping Station was conducted during the period June 29th through August 15th, 1998.

2.0 Project Scope

The intent of this investigation was to produce a complete inventory of all major capital structures at the Destruction Bay Station as well as any hazardous material components of these structures and their contents.

The term "inventory" includes both verification of the presence and quantity of hazardous materials on site.

3.0 Methodology

3.1 Review of Documents

We reviewed the documents ***"Haines Farbanks Pipeline: Environmental Assessment of Beaver Creek, Donjek and Destruction Bay Pumping Stations"*** (Lorimer & Associates, Hemmera Resource Consultants Ltd., 1995); and ***"Preliminary Environmental Assessment Haines-Fairbanks Pipeline"***, UMA Engineering, Ambio Research Associates, 1995).

These documents were useful in that they suggest that there is not a lot of concern respecting contaminants outside the structures. In addition, their conclusion from swabs collected inside the buildings was that there was clearly not a concern with respect to free PCB's at the Station.

3.2 Health and Safety Plan

An emergency response procedure and safe work practices for each phase of the operation were devised to cover initial entry and subsequent entry for sampling and measurements.

The items of immediate concern related to interior darkness; building integrity; "sharps" on the floors; and the existence of pressure vessels, capacitors, friable asbestos, lead paint, and mercury (from pressure guages and switches). Personal protective equipment selected and worn was appropriate during all phases of the project period, and included:

Initial tour:

- Generator, portable lights
- Ladder
- Tyvex suits
- Respirator (HEPA filter) protection
- Latex gloves
    - Camera
    - 2 way radios
    - Steel-toed boots with steel shanks
    - Rope
    - Sampling containers (liquids and solids)

The initial tour was undertaken by an environmental specialist and a demolition contractor, who will identify risk with respect to hazardous materials and building integrity.

Subsequent Entry

Safety gear and procedures as determined by risk factors determined during first entry.

3.3 Building Assessment

An inventory and table of general description and dimensions of each structure was prepared. This included preparation of a site/building layout drawing.

3.4 Equipment Inventory

Within each structure, we photographed and tabularized the equipment, machinery, stored product, and fixtures contained within. This included motors, engines, pumps, heating/cooling units, storage/holding tanks, compressors, boilers, overhead door units, and controls. Serial numbers, volumetric information, and manufacturers were recorded, and the general condition of each item was noted, particularly where there was opportunity for salvage or sale of the item.

3.5 Hazardous Materials Assessment

This assessment combined our experience on similar project sites (particularly with results from Beaver Creek) with sample collection and verification by confirmatory analyses. The list of expected materials occurring included asbestos, glycol, antifreeze, lubricating oils, fuels, mercury, and lead paint. We confirmed the existence and quantity of asbestos-containing structural material and insulation, as well as pressurized vessels.

4.0 Inventory Results

Figure 1 provides a regional location map. Figure 2 provides a measured drawing of the main building (and surrounding structures, not to scale), complete with interior information on equipment location. The reader can refer to Figure 2 for locations in conjunction with both the Tables and the photographs, all of which are organized and presented on a room by room basis in the main building, plus outside items.

Appendix A provides an overall pumping facility flow diagram for reference. Appendix B provides laboratory analyses results from samples selected for testing. Appendix C contains photographic records of all major items inventoried.

The inventory results are provided in tabular form below. Table 1 focuses on buildings and building components. Table 2 focuses on equipment, and Table 3 focuses on hazardous materials.

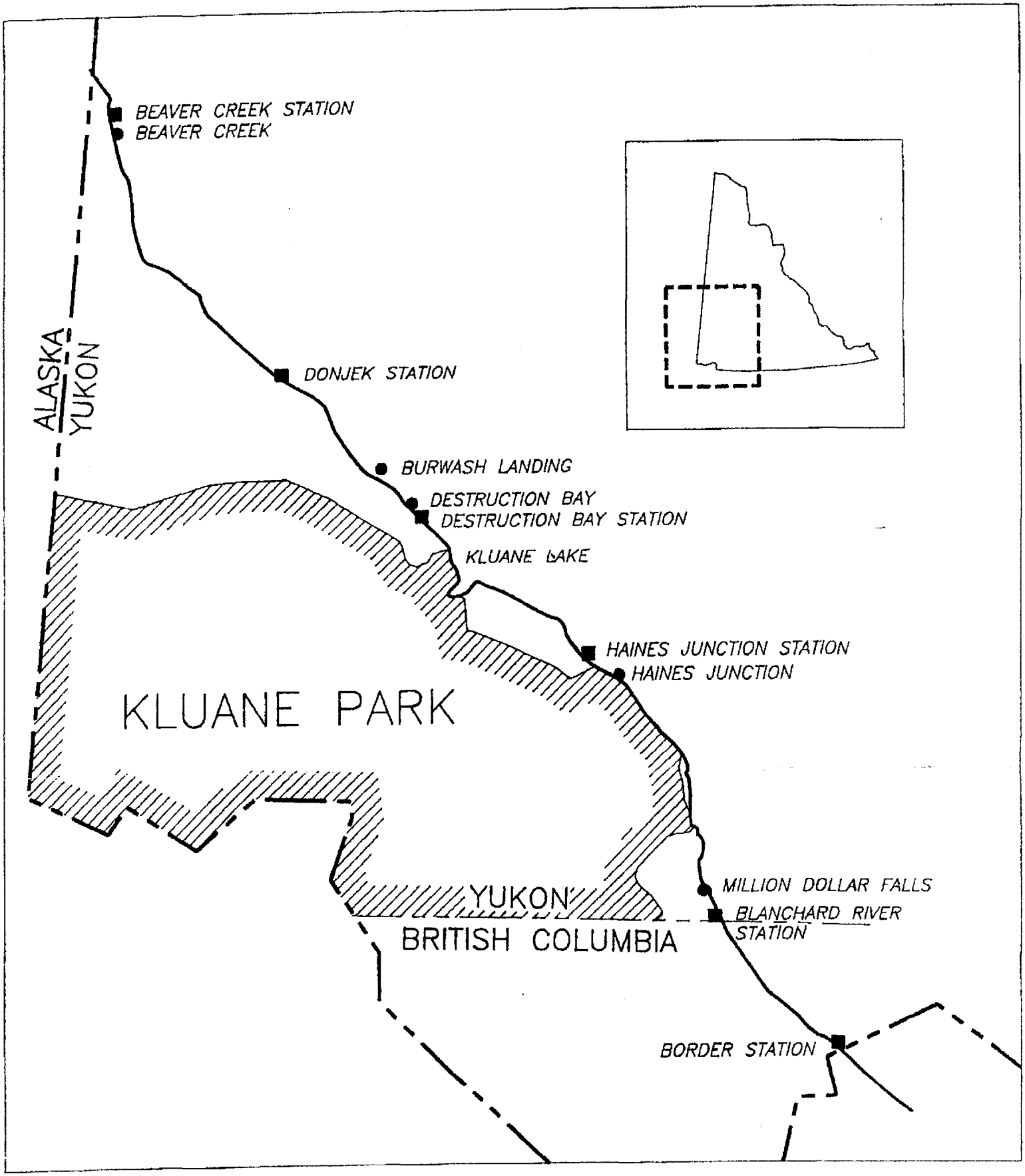


Figure 1 Site Layout

Reference List for Figure 2

List of Rooms in Main Building

A. Mechanical Room/Shop
B. Store Room
C. Boiler Room
D. Generator Room
E. Office/Control Room
F. Compressor Room
G. Engine Room

List Of Items

1. Floor sump
2. Maintenance liquid storage
3. Counter/shelves (gone)
4. Open storage
5. Shelf storage
6. Walk-in cooler (gone)
7. Walk-in freezer (gone)
8. Water storage tank
9. Two coolant compressors (gone)
10. Boiler
11. Boiler
12. Pressure tank (liquid)
13. Water well
14. Air compressor (gone)
15. Vertical compressed gas storage (gone)
16. Diesel generator
17. Diesel generator
18. Electrical control panel
19. Underground utility outlet
20. Transformer panel box
21. Control panel
22. Washroom/shower
23. Compression unit
24. Compression unit
25. Sump/sump pump
26. 8" product pipeline array
27. Air compressor, pressure tank, and filter
28. Engine
29. Control panel
30. Engine
31. Control panel
32. Ventilation units

Figure2. Station Drawing - Destruction Bay

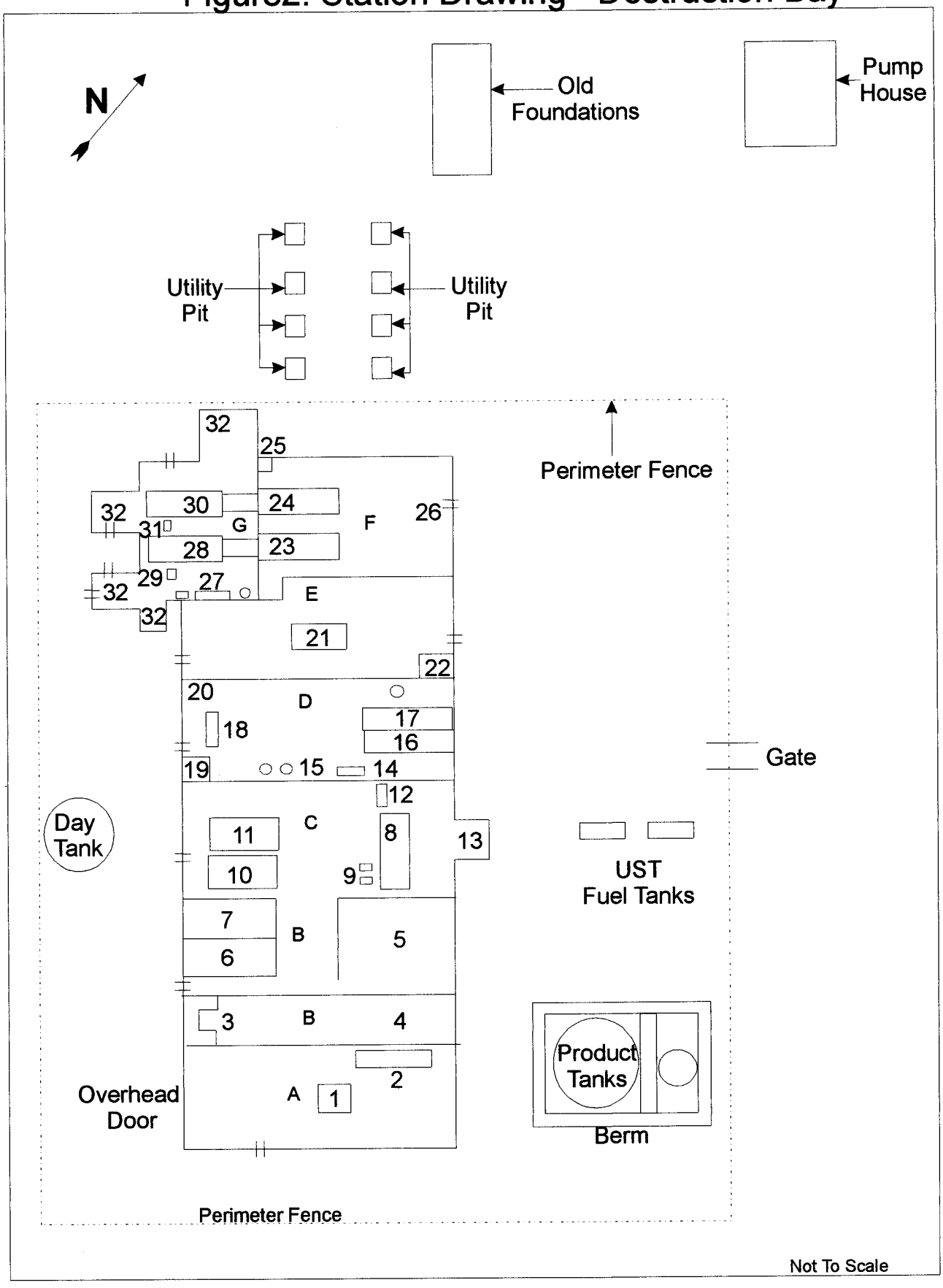


Table 1 Buildings and Building Components

Building Name	Drawing Identifier	Construction Components	Hazardous Components	General Dimensions	Currently Hazardous Entry	Condition
Main	A through G 1 through 32	• Steel truss on concrete pad foundation. Steel siding (inside and out). • Fibreglass insulation • Underground concrete conduits to location of former housing area • Bored well	Asbestos pipe insulation, lead paint on walls. Hazardous items housed inside building.	28'x145'	No current problem. Do not disturb asbestos or lead paint.	Excellent. No significant vandalism, although some items missing.
Old pumphouse	Near highway	Wood (2x6) frame building with shiplap siding. Concrete pad Subsurface entry to utilities	5 sheets of asbestos wall-board and 25' asbestos pipe insulation present	40'x25'	No, except if asbestos materials are broken or disturbed.	Poor, however some wood frame and siding is salvageable
Former housing (trailer) area	Across fence from Main Building	6-8 former trailer units gone, except for underground utility pits.	Transite pipe (asbestos) in utility pits.	Gone	Utility pits pose a hazard to falling	Sites not reclaimed. Poles and utility pits still in place
Power Poles	North of Main Building	8 poles, with one equipped with a breaker box and dry transformer.	None apparent	Conventional	No	Good

Table 2: Identified Equipment Items

Item	Location(s)	Identifiers	General Condition
Compressors	Generator room Engine room	 Webster Model 87-00 Tank	This compressor missing Engine missing off unit. Otherwise excellent, although mechanically unknown. Unit properly mothballed
Pumps	Compressor Room 2 identical pump units, powered by engines from engine room	SN 35808 Type 4x6x9.5 MSD-4Stg Min Stc pressure 20 psi Max discharge pressure 1460 psi Dif pressure 413 psimin fluid pressure 84deg F Max temp 90deg F Jet fluid JP$ Sp-J6 0823 RPM 3250-BHP 255 Gas type 20-765 RPM 3375 BHP 237 Gasoline 115-1450730 RPM 3395 BHP 238 Diesel Fuel Dfa 0-873 3150 BHP 237 SN 35809 Type 4x6x9.5 MSD-4Stg Min Stc pressure 20 psi Max discharge pressure 1460 psi Dif pressure 413 psimin fluid pressure 84deg F Max temp 90deg F Jet fluid JPS Sp-J6 0823 RPM 3250-BHP 255 Gas type 20-765 RPM 3375 BHP 237 Gasoline 115-1450730 RPM 3395 BHP 238 Diesel Fuel Dfa 0-873 3150 BHP 237	Excellent, although mechanically unknown. Units properly mothballed
Overhead Heaters	Mechanical room/shop		All heater units appear

	• 2 heaters Store room • 1 heater Boiler room • 1 overhead make-up air unit • 1 heat exchanger Generator room • 1 overhead heater Compressor room • 1 overhead heater Engine room • 1 overhead heater		to be in excellent, stored condition, although mechanically unknown. Units were all properly mothballed.
Water Tanks	Boiler room • 2100 gallon (10,000 litre) steel tank, elevated on stand. Complete with metering device for injecting chemical additives. • 50 gallon steel high pressure tank, complete with three pumps.		Both in excellent condition, although coated with lead paint. Units properly mothballed by draining, and are re-usable. Covers remain off, but are present.
Generators	Generator room • S5 Cat engine and generator • S6 Cat engine and generator	SN 50094 TYPE PRKT RPM 900 KVA 75 CYCLE 60 VOLTS 480 Amps-90 PHASE 3 FRAME S23 Armature 40 FIELD 50 CAT SN 31B3378 SERIES C SN 462110031 TYPE PRKT RPM 900 KVA 75	Excellent, although mechanically unknown. Units properly mothballed

		CYCLE 60 VOLTS 480 Amps-90 PHASE 3 PF-08 FRAME S23 IB 62 SRGE 40 FIELD 50 OVERLOAD 25% RATED VOLTS 62.5 CAT SN 31B3989 SERIES C	
Walk-in Freezer	Store room Freon compressor A In boiler room		This item removed, and not present
Walk-in Fridge	Store room Freon compressor B In boiler room		This item removed, and not present This item removed, and not present
Fuel storage tanks	Outside, within unlined berm: • 500 barrel tank • 1400 barrel tank 10 barrel heated day tank 2 underground fuel tanks, bottoms are 7' from surface	 Apparently empty. Apparently empty. Apparently empty. 2" diesel and water in one, the other is empty (these tanks were accessed through filler caps)	 Good condition. No interior inspection on either tank. Good condition. No interior inspection Unknown condition, but likely unusable.
Diesel Power Units	Engine Room 2 identical engines c/w radiator heat exchangers and gear drives for compressor pumps. Skid mount units	 SN 70255 TYPE 69cp RPM 800 Horsepower 344 SN 70254 TYPE 69cp RPM 800 Horsepower 344	Excellent, although mechanically unknown. Units properly mothballed
Pressure Vessels	Boiler room • Hydro-pneumatic tank	 TYPE HORIZ N-St7 SN C3245 SIZE 60X15-7 Dp 101	Excellent, although mechanically unknown. Units drained of contents and disconnected.

	Generator Room • 2 Vertical pressure tanks Engine Room • Compressor tank	D type 100 RD A1414.2 St – 5t6 Sn A28SC JE-70 Ht-.375 Hn-A285C SF-4 Hm-150 SR-No Volume – 1990 US Weight-3950 lbs Date F- 6,29,62 Drawing No. SI513-0-0	No pressure Good.
Lighting	All rooms, fluorescent fixtures		All ballasts removed by DIAND personnel
Overhead Doos	Mechanical room 1 overhead door, dimensions 20'x20'		Good condition
Boilers	Boiler room • Boiler #1 • Boiler #2	Size E536-30LS WP 15 SN E53630LS32042436 VOLTS 440 CY 60 PH 3 Size E536-30LS WP 15 SN E53630LS32112436 VOLTS 440 CY 60 PH 3	Excellent, although mechanically unknown. Units properly mothballed
Pressure Guages	Boiler, Generator, Compressor Rooms	Various. Estimated 20 guages	Unknown, although units intact.
Pipeline Components	Compressor Room.	Drained	Excellent, although mechanically unknown. Units properly mothballed
Transformers	Generator room Transformer 1	Westinghouse SN 399275 TYPE Dt3	Excellent, although mechanically unknown. Units properly mothballed

	Transformer 2	STYLE F48A28t30H2 30KBA SN 399279 TYPE Dt3 STYLE F48A28t30H2 30KBA	
Control Panel Units	Generator room • Panel #1 Control room • Panel #2 Engine room • Panels 3 and 4	No serial numbers on units. Multiple guages on each panel, each with serial numbers	Excellent, although mechanically unknown. Units properly mothballed
Other	Boiler room • Water metering device	Model 52-90-V17 Cap 3.0 Pressure 12.5	
Heat Exchanger	Boiler room	Unit # T3HORIZ SN 295133 IORRIVENT	Excellent, although mechanically unknown. Unit properly mothballed

Table 3: Identified Hazardous Materials

Material	Description	Location	Quantity	Current Risk
Asbestos	8" Transite pipe used in pits under residence trailer units joined to main building underground	Utility pits under 6 former residence locations	60'	Current low risk. High risk if cut with power tools.
	Asbestos elbows on heating pipes. Representative sample 98-07 from joint in boiler room contains Chrysotile (5%)	All rooms	100 joints	Current low risk. High risk if disturbed.
	Boiler Sample 98-10 Chrysotile (80)	Boiler main steam pipe, exterior coating	4' of 10" pipe	Current low risk. High risk if disturbed.
	Sample 98-11 Amosite (50)	Exhaust stack Generator units	30' of 10" pipe	Current moderate risk, friable asbestos. High risk if disturbed.
	Sample 98-12 Chrystile (70)	Pipe elbow above hot water tank	Included above	Current moderate risk, friable asbestos. High risk if disturbed.
	Asbestos gaskets	On boiler doors in Boiler room On engine radiators in engine room	4	Low, unless disturbed Not friable. Low risk.
Solvents	Exposed to atmosphere for some time	Fluid maintenance container, Mechanical Room/shop	21 gallons	Low
Glycol	Exposed to atmosphere for some time	Fluid maintenance tank, mechanical room/shop.	Less than 5 gallons	Low
Oil/lubricants	Fluid maintenance container, Mechanical Room/shop	Fluid maintenance tank, mechanical	Less than 40 gallons	Low

		room/shop.		
Residual Fuel	UST's	2" diesel/water mix in west tank UST	<5 gallons	None
Mercury	Beads of mercury in switch gear	Guages, control room	1 guage	Current low risk. High risk if released
PCB's	N/A	N/A		N/A
Lead Based Paint	Sample 98-04 4560 mg/kg	Paint chip on floor adjacent to freezer		Moderate
	Sample 98-05 2610 mg/kg	Water tank		Current low risk. Low risk if disturbed.
	Sample 98-09 2850 mg/kg	Floor paint under Boiler unit 1		Current low risk. Low risk if disturbed.
	Sample 98-13 7030 mg/kg	Green metal paint on engine components, engine room		Current low risk. High risk if disturbed.
	Sample 98-14 5830 mg/kg	Wall paint in office/control room		Current low risk. High risk if disturbed.
Solvents		Fluid maintenance tank, mechanical room.	21 gallons	Low
Pressure Vessels		Boiler room Compressor room	No product	Nil
Random Chemicals (small quantities in containers)	Thymol, 1 vial	Shop	1 vial	Nil

5.0 Conclusions

The following conclusions have been drawn from the inventory results.

State of the Structures

The structures at the Station which pose some risk include the following:

- The utility pits, which formerly serviced trailer housing units. These pits have wooden covers but should be removed or filled in.
- One large pit near access gate should be filled in. Its purpose is unknown.
- Two underground storage tanks remain on site and should be removed and properly disposed of.
- Old foundations and pumphouse structure should be removed.
- There are no lights within any of the structures, and general entry should continue to be restricted until this is changed. A qualified electrician should thoroughly examine the electrical system before power is restored.
- There is no asbestos on boiler insulation (98-11), Boiler ceramics (98-06), brick (98-02), building insulation, most pipe wrap except for joints (98-08), wallboard interior.
- Asbestos has been confirmed on pipe joints, exhaust stacks, boiler main steam lines, gaskets, transite pipe. All asbestos should be removed before any equipment is taken from the Station or modifications to the heating system are made.
- There is lead paint on the floors and walls of each structure. Loose paint chips should be removed and disposed of as hazardous waste by a qualified contractor before the buildings are reused for any purpose.
- All lines and sumps were drained of product when the Station was mothballed. However, the sump in the compressor room is now partially full of water.

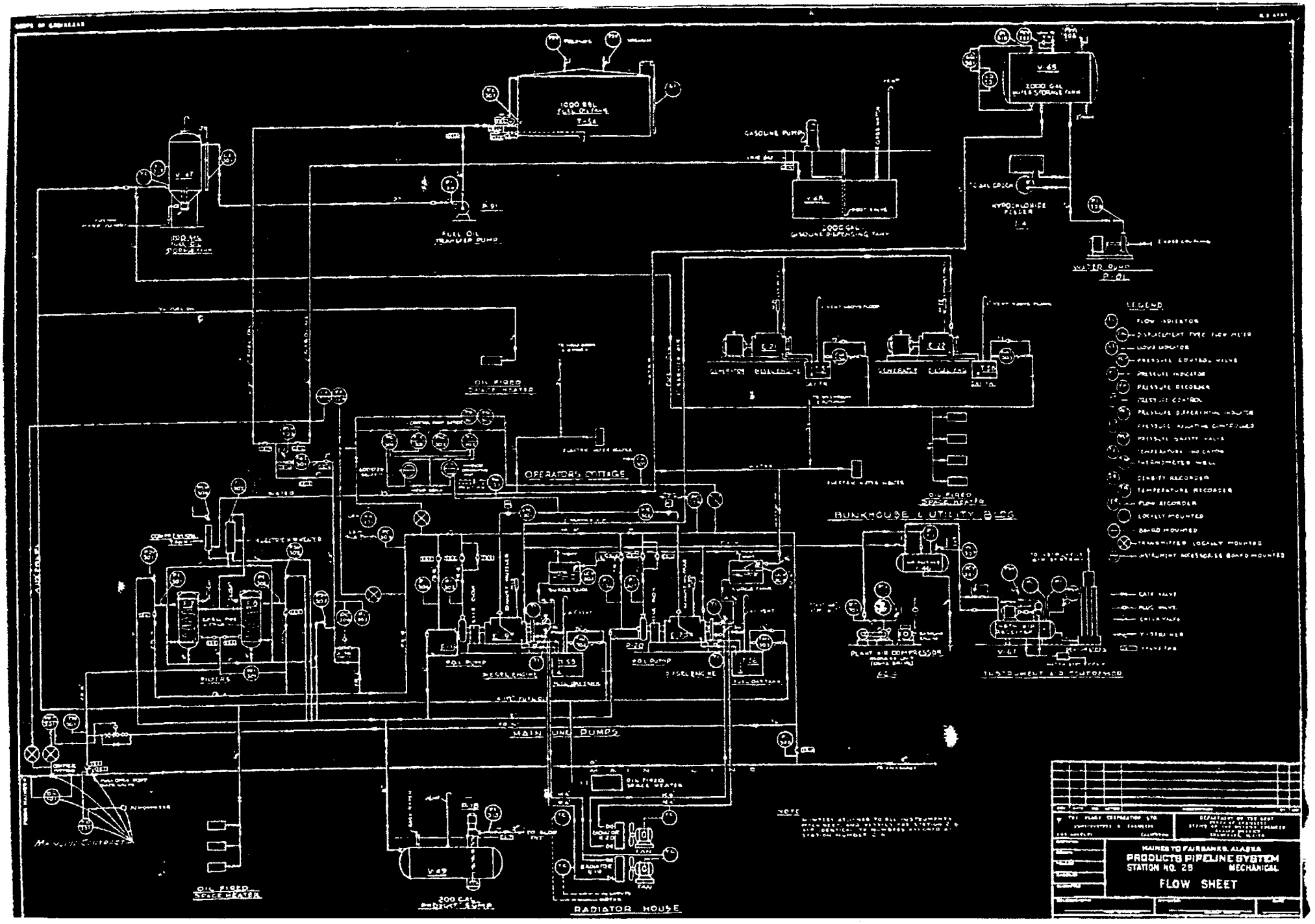
Presence of Hazardous Materials and Pressure Vessels

- Previous reports indicate that there are no PCB's in the Station (previous report). Light ballasts have been removed by DIAND personnel.
- Glycol has been removed from all lines.
- There are no pressure vessels still charged.
- Only small quantities (estimated less than 50 gallons) of fuel, solvents, oil, and other liquid maintenance products remain at the station.
- There is no current asbestos hazard due to asbestos items in friable condition. This will change immediately with attempts to remove asbestos containing items.
- Asbestos is contained in the Station as part of the steam heating system (100 knuckles), transite pipe (trailer pits) and within movable equipment items currently housed in the Main Building. There is also asbestos wallboard and pipe insulation in the old pumphouse building. Asbestos removal procedures applied by a qualified asbestos contractor must be undertaken to ensure that other equipment and building components are not contaminated by asbestos fibres during removal.

- The presence of lead paint has been confirmed throughout the Station on floor/wall paint and on equipment housed within. Lead removal procedures applied by a qualified contractor must be undertaken to ensure that other equipment and building components are not contaminated by lead dust during removal. The most feasible option is to remove loose paint chips and dispose of this material as hazardous waste. Paint that is currently in good shape can be encapsulated with acceptable paint or by wallboard.
- Lead paint on engines, steel piping, etc. can be safely removed from the Main Building without concern during removal of these items. Whoever accepts these removed items must be warned of the lead paint concern.

Appendix A

System Flow Diagram


OPERATORS COTTAGE
BUNKHOUSE & UTILITY BLDG
MAIN LINE PUMPS
RADIATOR HOUSE
GASOLINE PUMP
FUEL OIL TRANSFER PUMP
WATER WELL P-91
LEGEND
GATE VALVE
PLUG VALVE
CHECK VALVE
V-STRAINER
STRAINER
MAINES TO FAIRBANKS ALASKA
PRODUCTS PIPELINE SYSTEM
STATION NO. 25 MECHANICAL
FLOW SHEET

Appendix B

Laboratory Results

Style 1 BC, DB
Style 2 DJ, HJ.

ENVIRO-TEST CHEMICAL ANALYSIS REPORT

LAB ID / SAMPLE ID	TEST DESCRIPTION	RESULT	D.L.	UNITS	EXTRACTED	ANALYZED	BY
E807214-25 98-33 Sample Type:BULK	Res Walls DJ						
E807214-26 98-04 Sample Type:BULK	floor outside freezer BC Lead, (Pb)	4660	10	mg/kg		07/09/98	GC
E807214-27 98-14 Sample Type:BULK	Wall Paint office BC Lead, (Pb)	5830	10	mg/kg		07/09/98	GC
E807214-28 98-21 Sample Type:BULK	Compressor Room DJ Lead, (Pb)	53800	10	mg/kg		07/09/98	GC
E807214-29 98-46 Sample Type:BULK	Grey siding HJ Lead, (Pb)	43300	10	mg/kg		07/09/98	GC
E807214-30 98-47 Sample Type:BULK	Water tank HJ Lead, (Pb)	4110	10	mg/kg		07/09/98	GC
E807214-31 98-13 Sample Type:BULK	Metal Paint Eng Room BC Lead, (Pb)	7030	10	mg/kg		07/09/98	GC
E807214-32 98-09 Sample Type:BULK	floor Boiler Room BC Lead, (Pb)	2660	10	mg/kg		07/09/98	GC
E807214-33 98-42 Sample Type:BULK	Green Eng. Block HJ Lead, (Pb)	60800	10	mg/kg		07/09/98	GC
E807214-34 98-43 Sample Type:BULK	Light Green office HJ Lead, (Pb)	6260	10	mg/kg		07/09/98	GC
E807214-35 98-44 Sample Type:BULK	White office HJ Lead, (Pb)	4050	10	mg/kg		07/09/98	GC
E807214-36 98-48 Sample Type:BULK	Apt Paint (inside) HJ Lead, (Pb)	1880	10	mg/kg		07/09/98	GC
E807214-37 98-05 Sample Type:BULK	Water tank. BC Lead, (Pb)	2610	10	mg/kg		07/09/98	GC
E807214-38 98-45 Sample Type:BULK	Multi-Comp Room HJ Lead, (Pb)	43800	10	mg/kg		07/09/98	GC
E807214-39 98-41 Sample Type:SOIL	HJ TVH and TEH in Soil % Moisture	2.3	0	%		07/08/98	MD

ENVIRO-TEST CHEMICAL ANALYSIS REPORT

EST: Bulk Asbestos Content **METHOD:NIOSH 9002**

MPLE SCRIPTION	LAB-ID	Asbestos Type	Percent * Asbestos	Other Fibres Present
-11 Gen Stack Insul.	E807214-01	AMOSITE	50	NONE
-30 Res Boiler	E807214-02	AMOSITE*	50	MMVF
-40 Haines Door	E807214-03	CHRYSOTILE	40	MMVF
8-12 Asb above HWT	E807214-04	CHRYSOTILE	70	MMVF
-25 Pipe wrap	E807214-05	N.D.	<1	ORG, SYN
-51 Boiler outside Insulation	E807214-06	AMOSITE	50	MMVF, OTHERS*
-26 office ceiling	E807214-07	N.D.	<1	ORG
8-24 pipe wrap	E807214-08	N.D.	<1	ORG
-27 Insulation Quanset	E807214-09	N.D.	<1	MMVF
-29 I-beam filler	E807214-10	TREMOLITE	1	SYN
-28 Ins. Machine shop	E807214-11	N.D.	<1	MMVF
8-23 floor tile	E807214-12	CHRYSOTILE	5	SYN
-20 Product PL Insul	E807214-13	N.D.	<1	NONE
-50 Apt Boiler door	E807214-14	CHRYSOTILE	10	MMVF, ORG
-49 Pipe Ins Apt Boiler Room	E807214-15	CHRYSOTILE	70	MMVF
8-08 ~~Res tile~~ Pipe Ins	E807214-16	N.D.	<1	MMVF
-32 Res Tile	E807214-17	CHRYSOTILE	5	NONE
-31 Res Basement	E807214-18	CHRYSOTILE**	40	MMVF
8-07 Elbow	E807214-19	CHRYSOTILE	5	MMVF
-10 Boiler pipe #1	E807214-20	CHRYSOTILE	80	MMVF
-06 Boiler ceramic	E807214-21	N.D.***	<1	MMVF
-11 Boiler exterior Ins	E807214-22	N.D.	<1	MMVF
8-02 Brick.	E807214-23	N.D.	<1	NONE

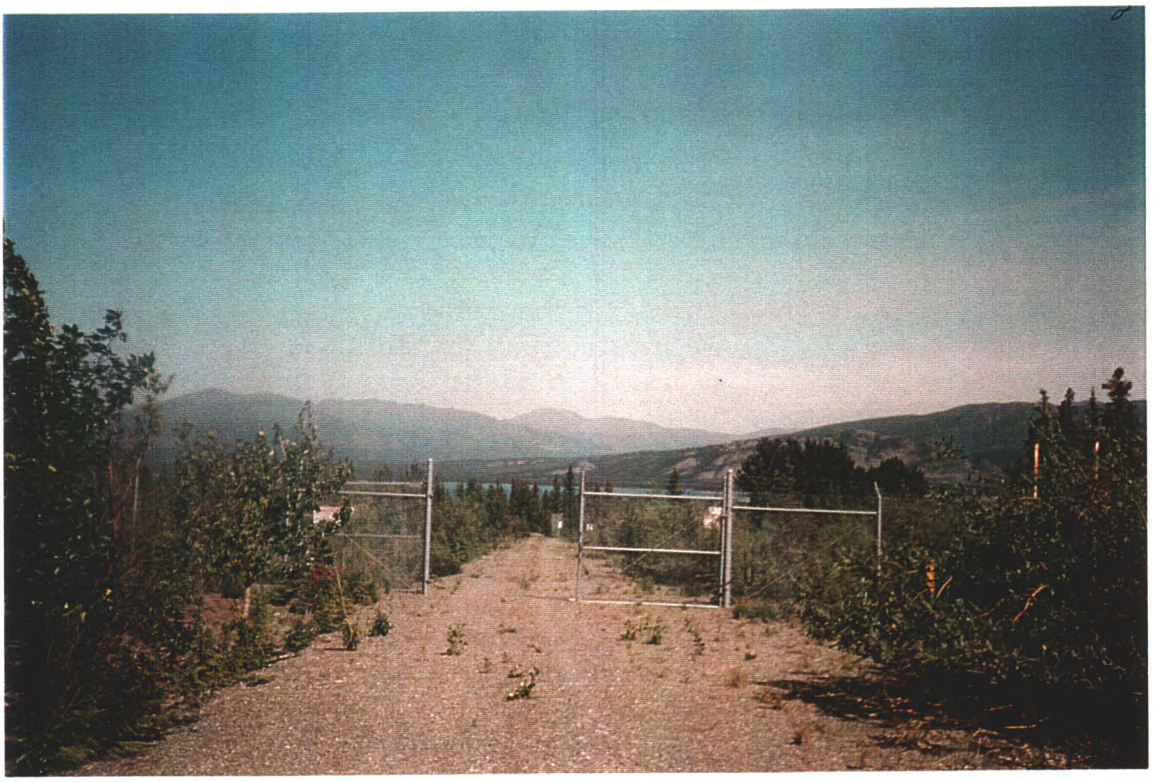
D - None Detected.
Percent asbestos determined by visual approximation.
MVF-man-made vitreous fibres; Org. - organic fibres
ethod: Polarized microscopy/dispersion staining.

HIS IS THE LAST PAGE OF THE ASBESTOS REPORT.

Appendix C

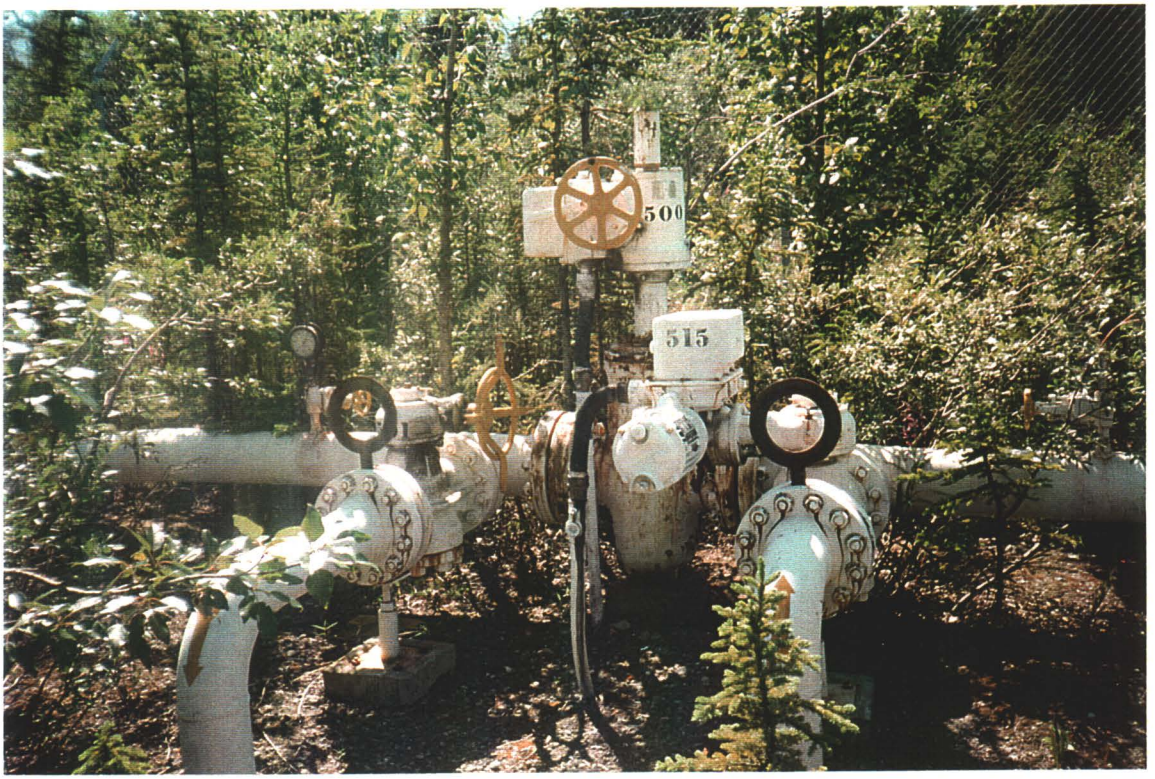
Photographs of Station

Front of main building. Note stainless steel ventilation structures, and asbestos-filled Generator Room stacks.



Location of two underground storage tanks and former pump island to the right of main gate.

Main Building. Pipeline entry/exit lines.

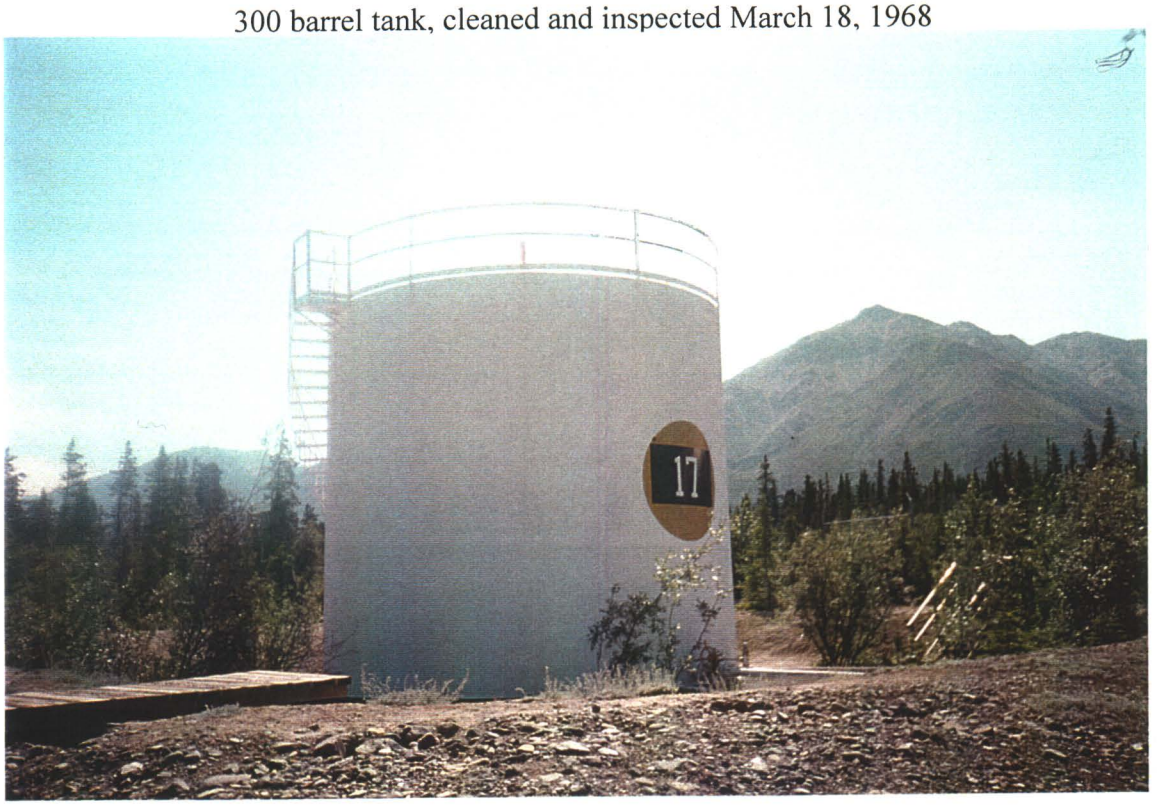


Bulk storage tanks line connections, back of Main Building.

Debris pile back of Main Building

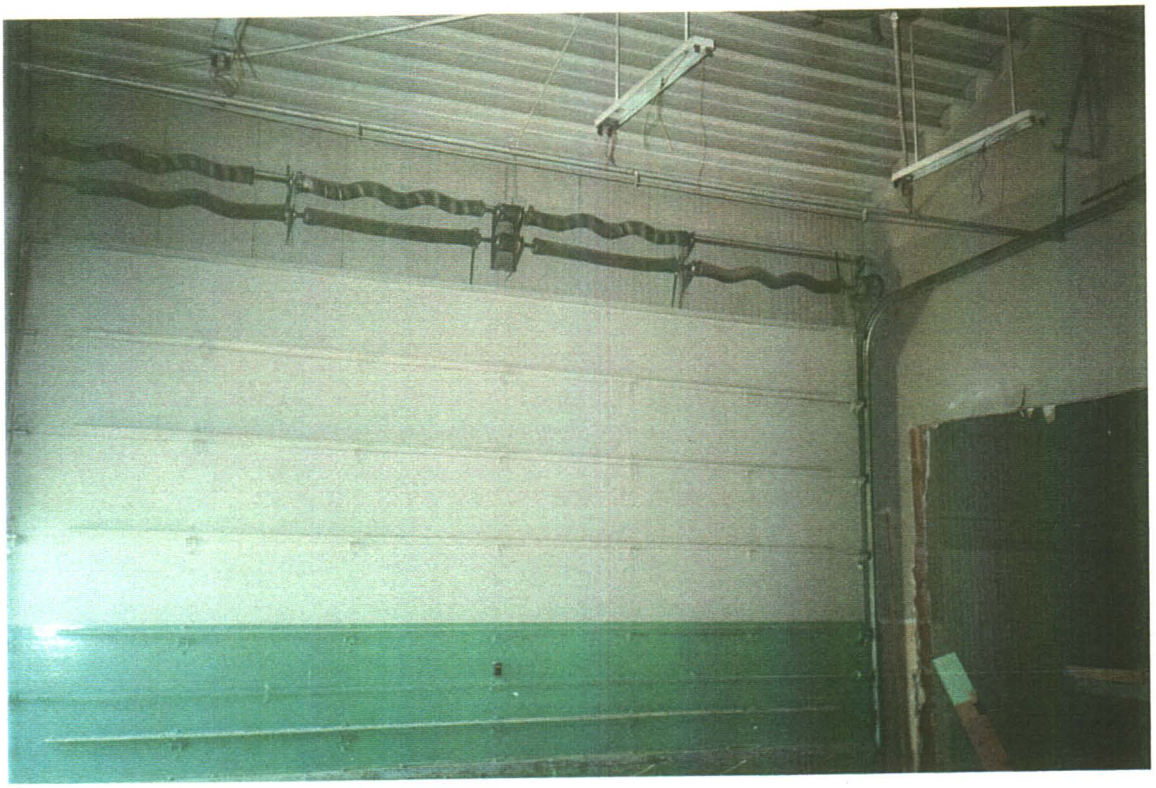
Day tank

300 barrel tank, cleaned and inspected March 18, 1968



Main product tank, 1440 barrel capacity. Man-way loosely bolted, indicating entry following product removal.

Pit area between bulk product tanks and UST's

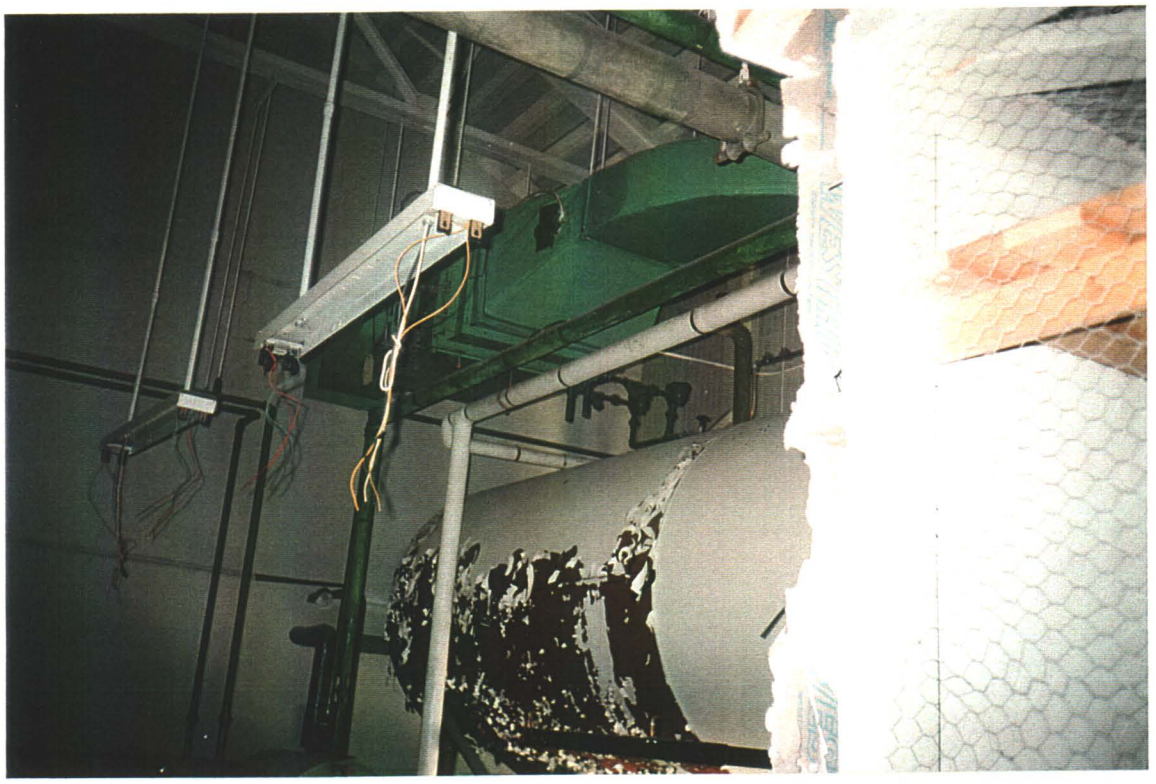


Mechanical Room/Shop. Over-head door.

Mechanical Room/Shop. Maintenance fluid storage tank.

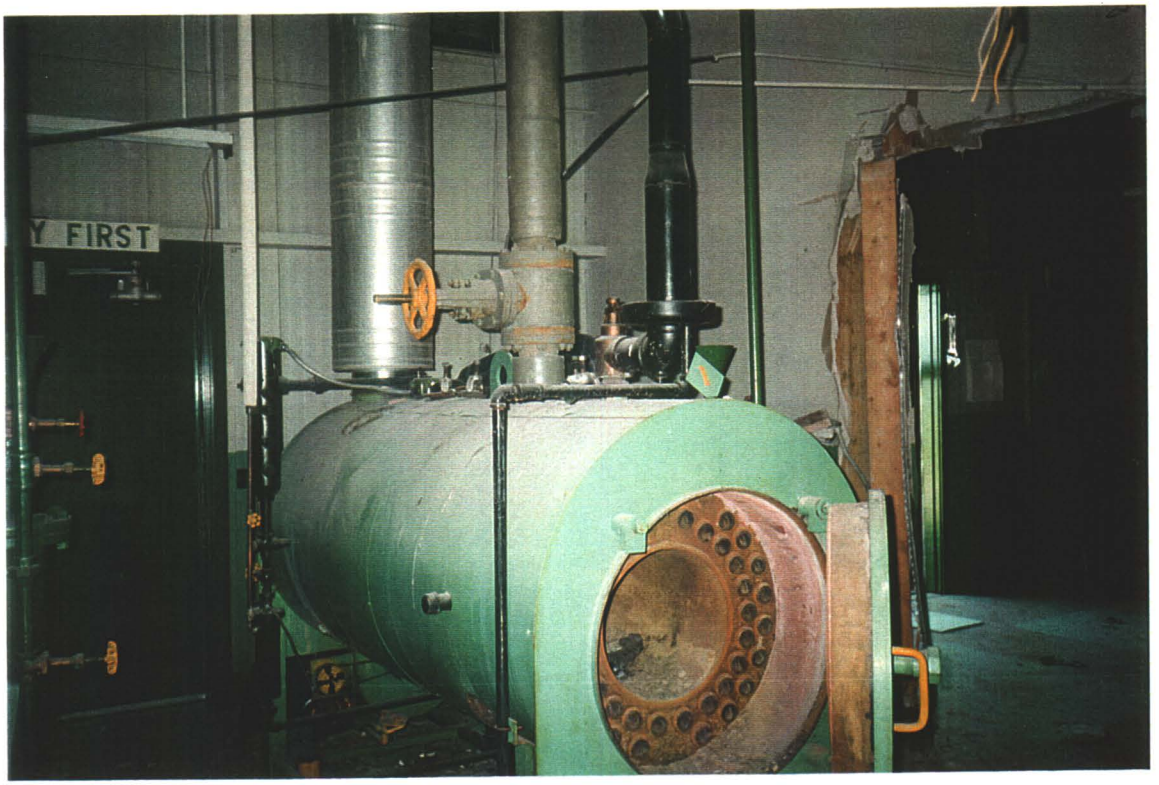
Mechanical Room/Shop. Concrete floor, with sealed sump.

Store Room. Fenced storage units.

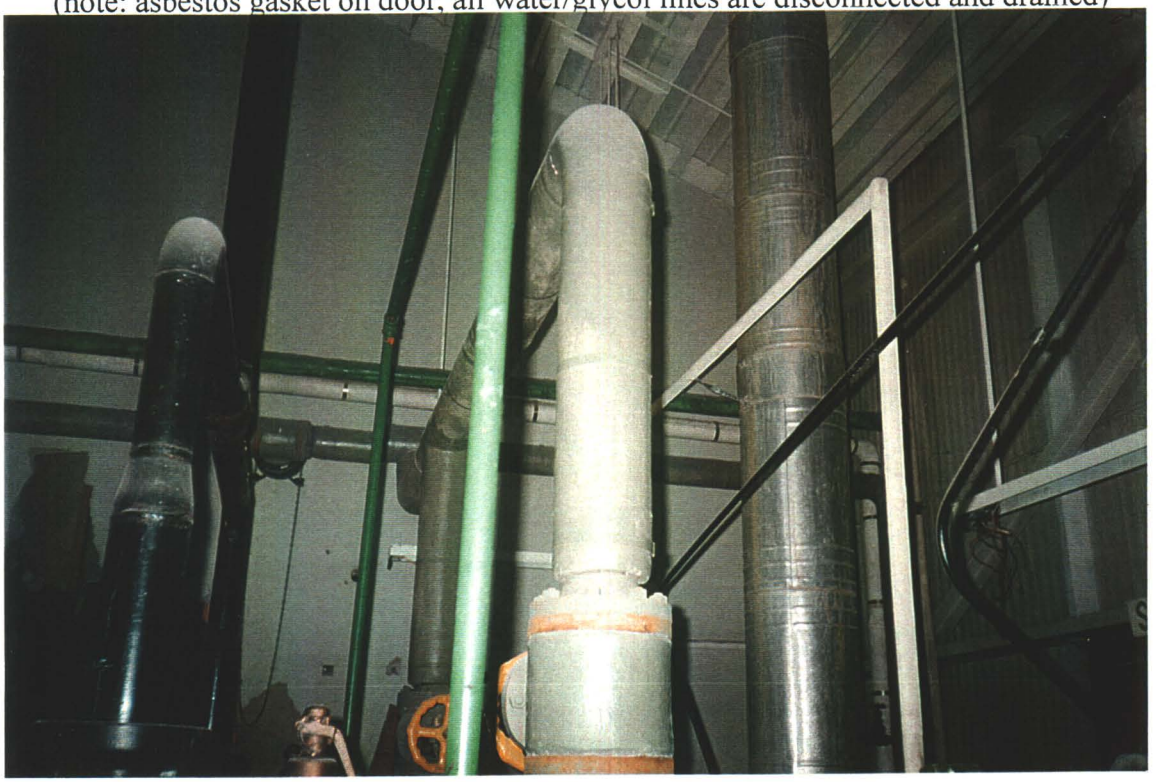


Store Room. Former location of cold storage lockers.
Note wall destroyed during locker removal

Store Room view into Boiler Room. Note water storage tank.
Lead based paint is peeling from sides.

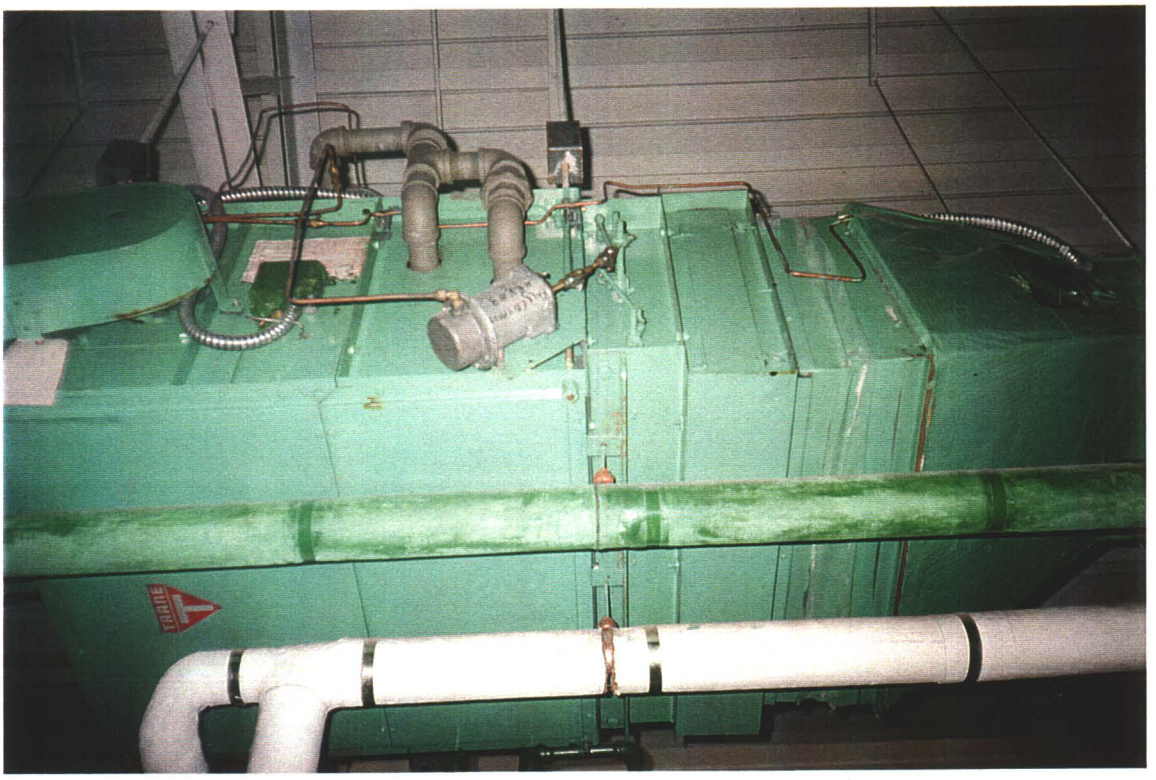


Boiler Room. Entry door, boiler # 1.
(note: asbestos gasket on door, all water/glycol lines are disconnected and drained)

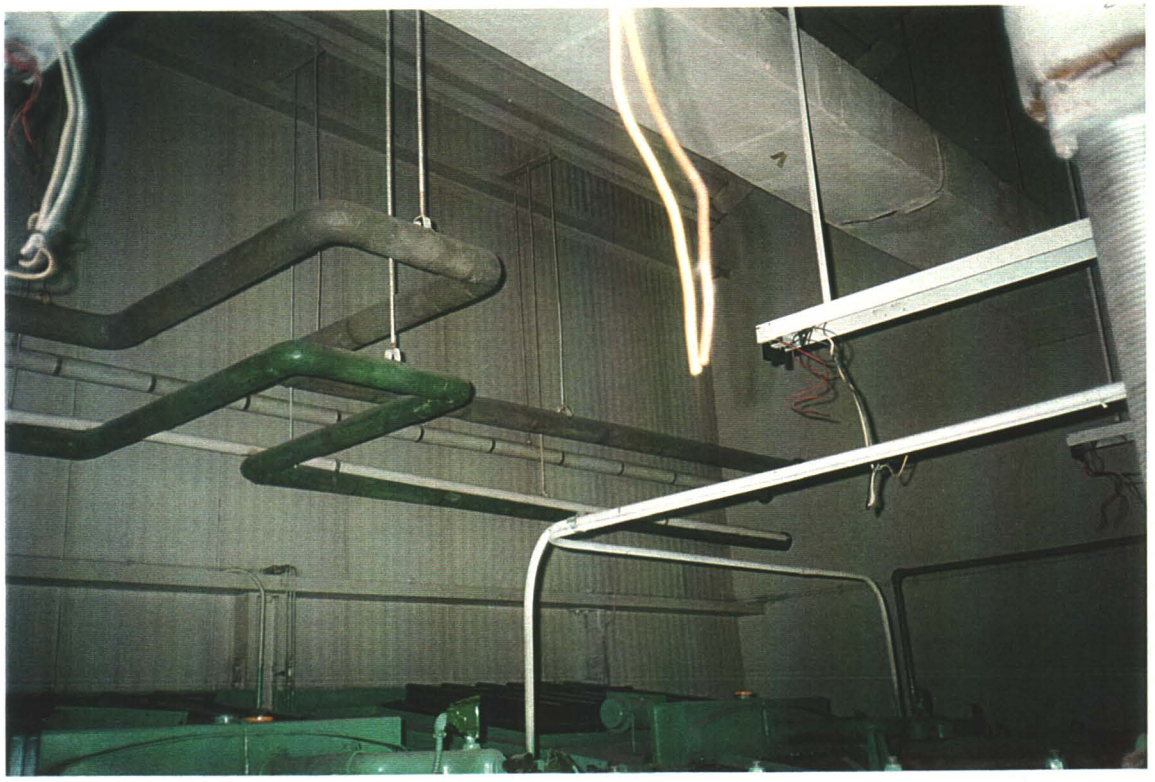


Boiler Room. Top of boiler #1.
(note: asbestos insulation is present in stack)

Boiler Room. Steam, sewer, and water lines leading out to former housing area. Condensate return line returns back to boiler room.

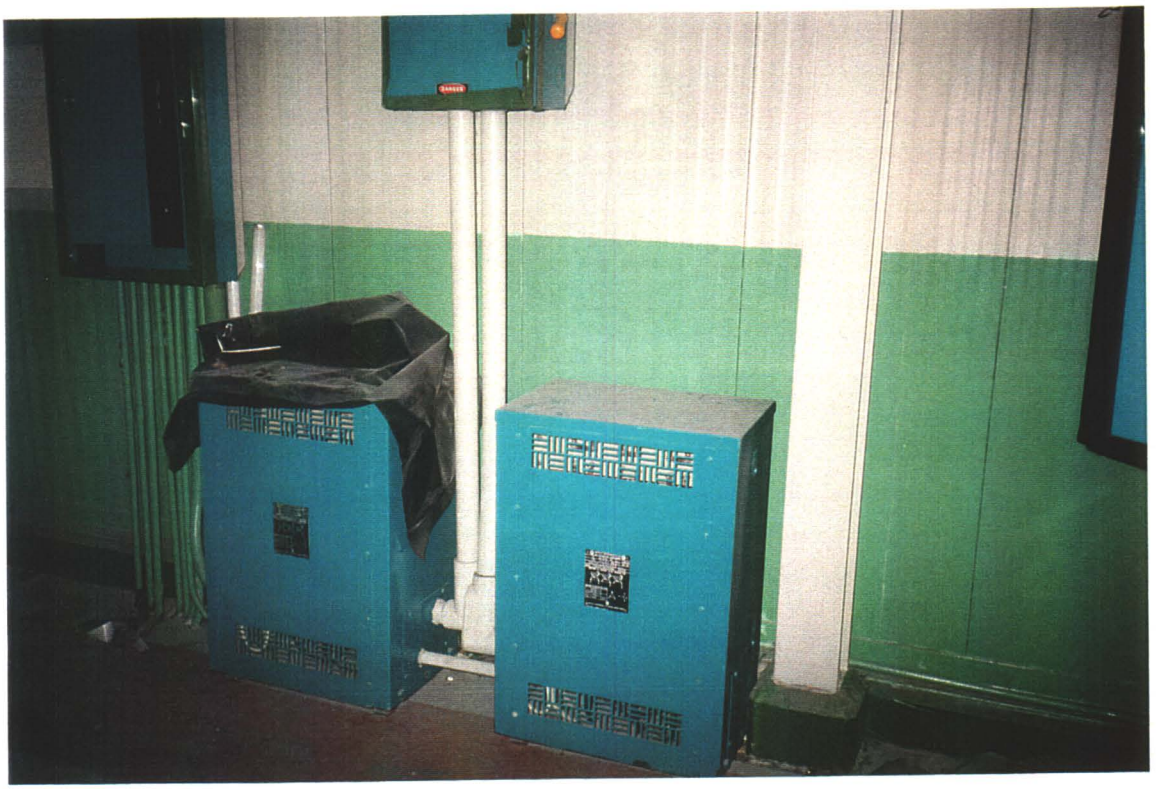


Boiler Room. Heat exchanger. Note asbestos knuckles on insulated lines.

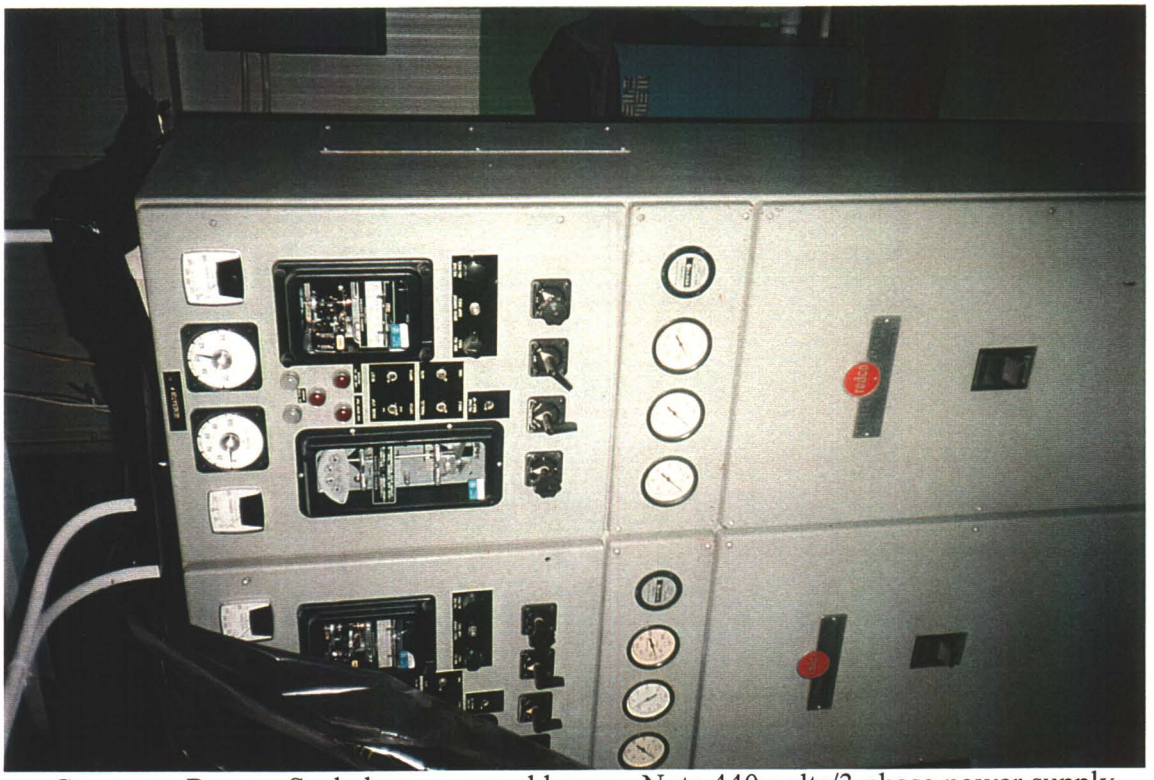


Generator Room. Confirmed asbestos locations on insulated pipe joints.

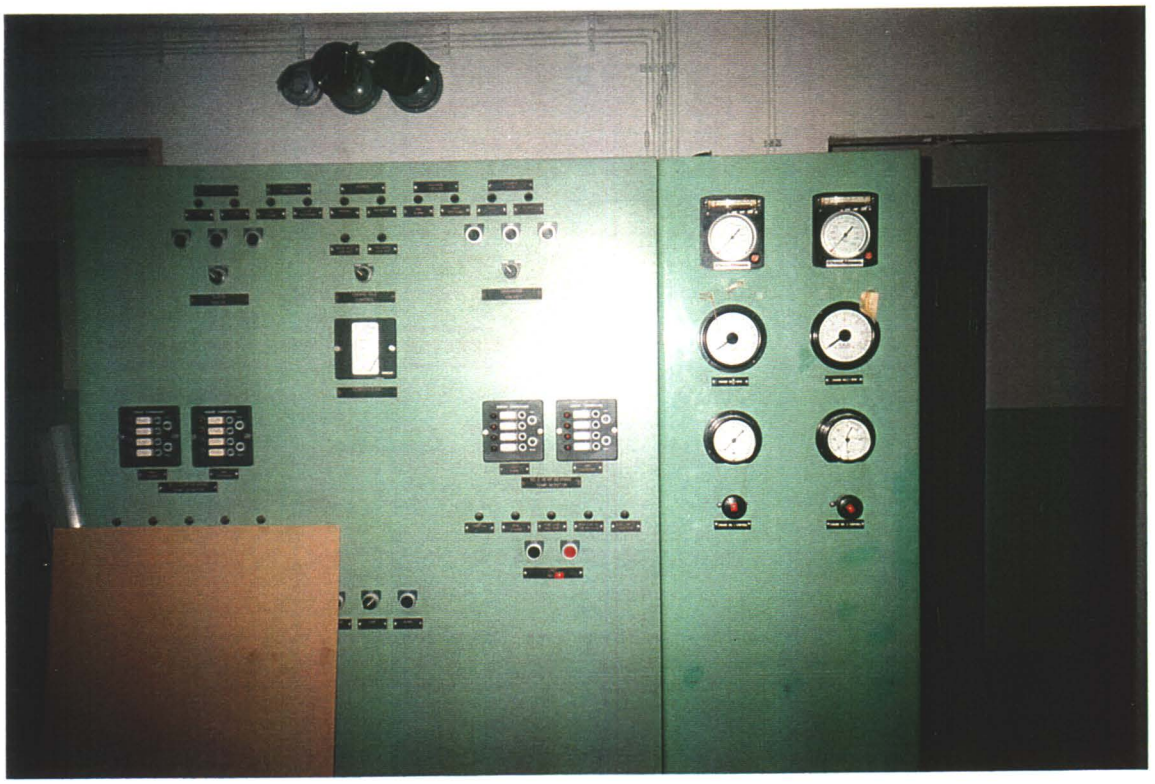
Generator Room. Generator Units. Stacks contain asbestos insulation.



Generator Room. Transformers (dry type)



Generator Room. Sealed power panel boxes. Note 440 volts/3 phase power supply.



Office Room. Control Panel.
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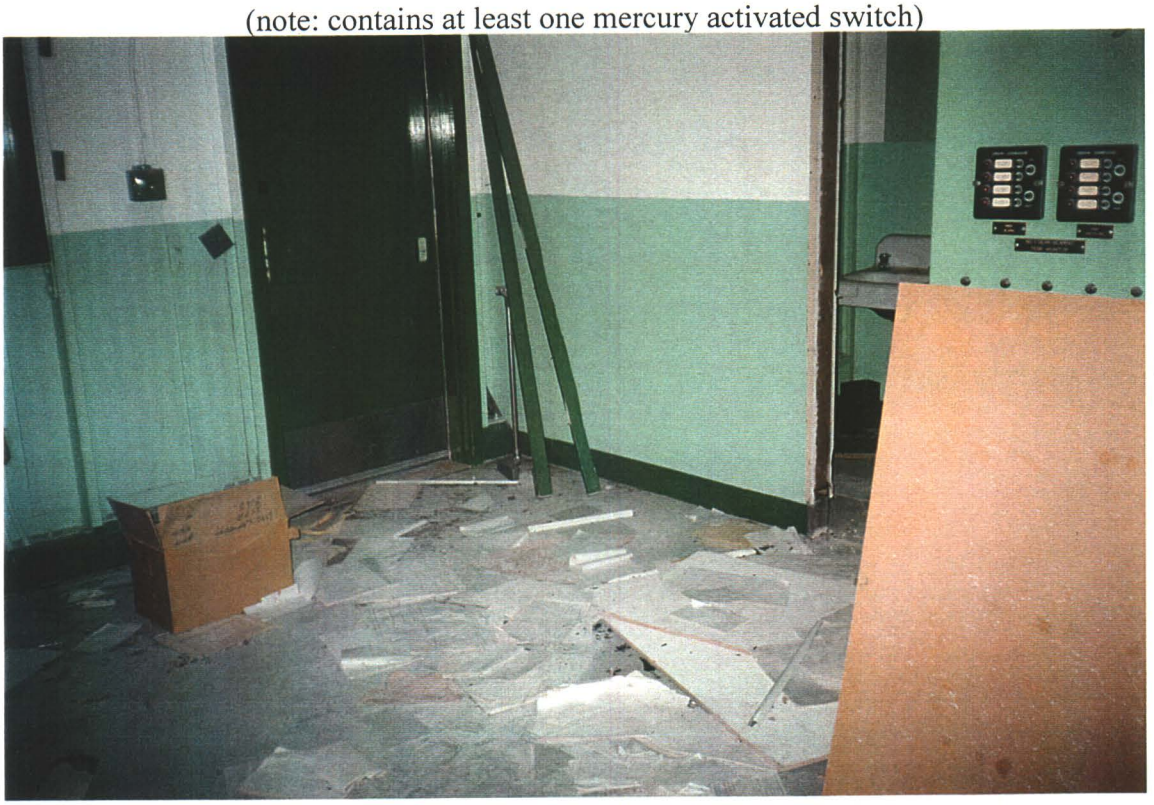
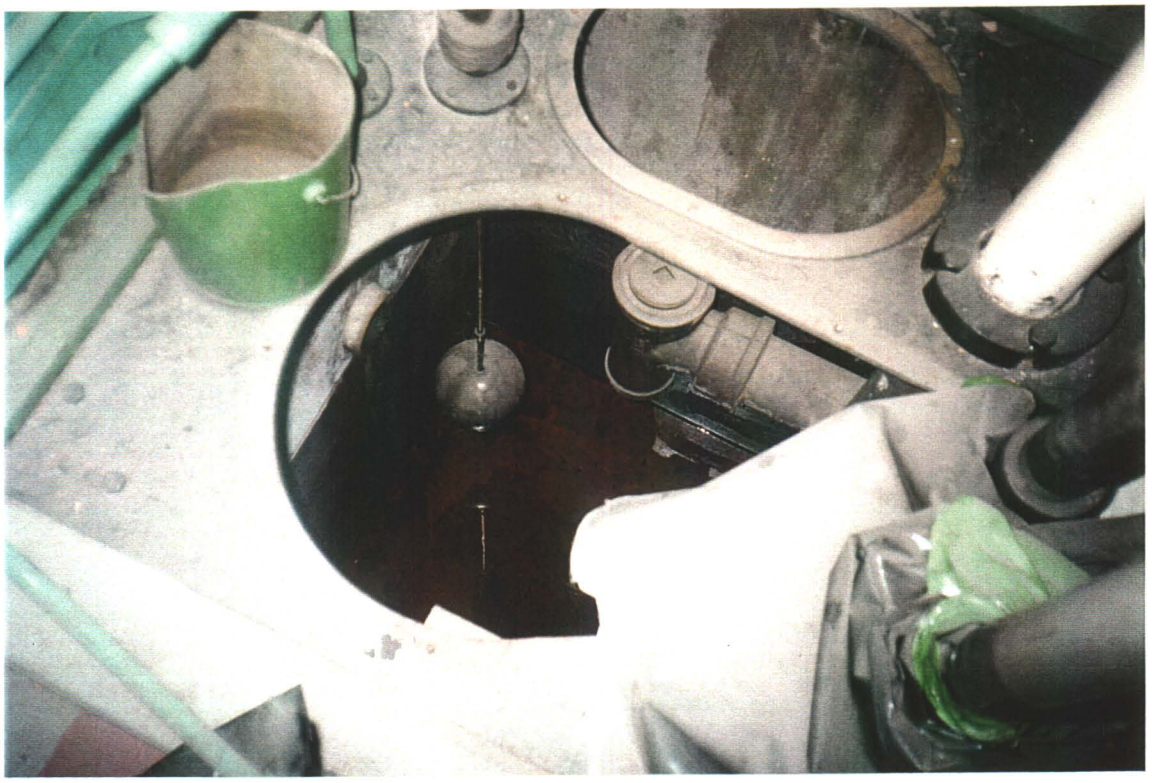
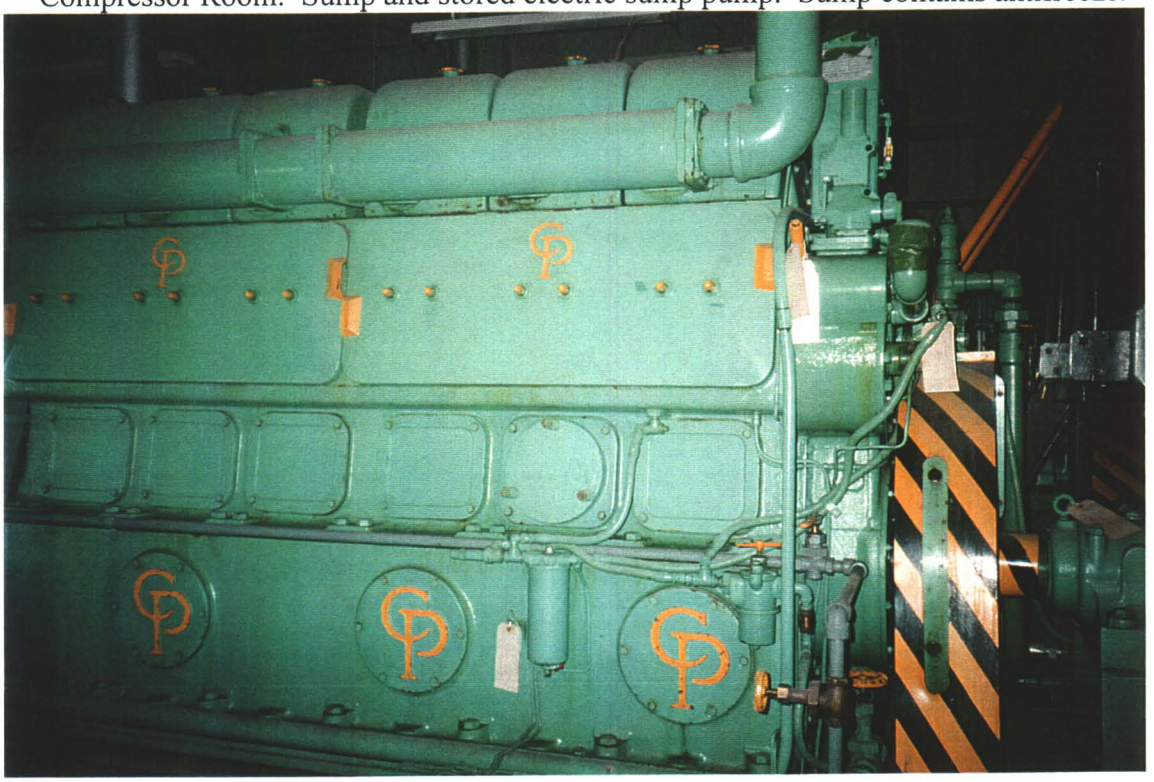


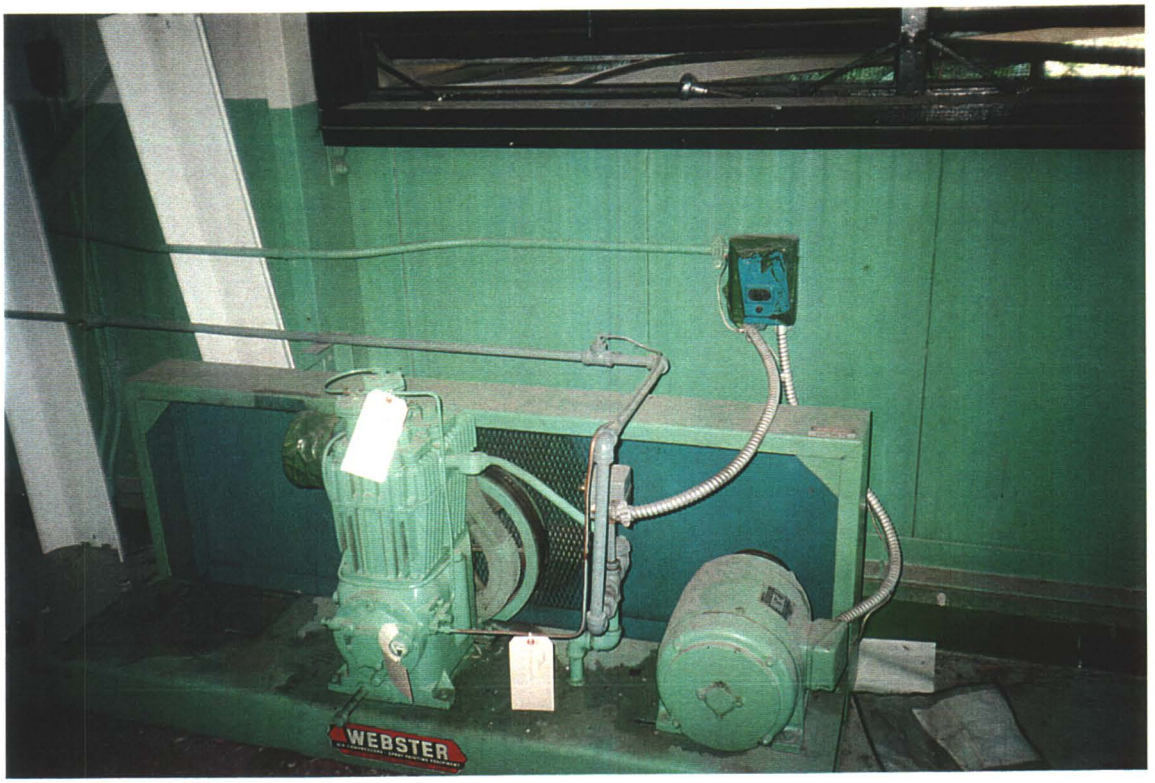
Office Room. Some vandalism is apparent



Compressor Room. Sump and stored electric sump pump. Sump contains antifreeze.



Engine Room. Diesel engine units to power compressors in adjoining Compressor Room. Both units are skid mounted. Exhaust systems are asbestos free, and each unit is equipped with engine jacket water coolers which have asbestos gasket connections to the engines.



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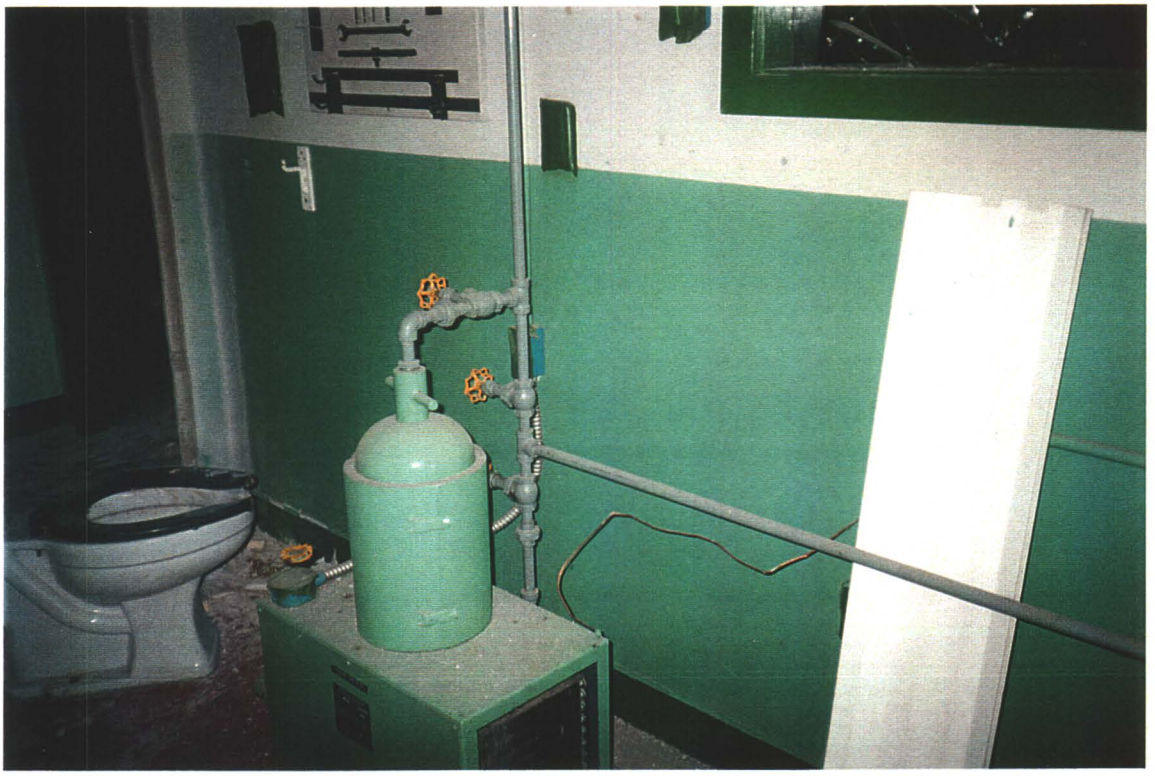

Engine Room. Compressor air intake filter device.

Engine Room. Typical overhead heater device used throughout the building.

Engine Room. Typical building metal siding/roof structure.

Typical services pit at each trailer stall (one of six).
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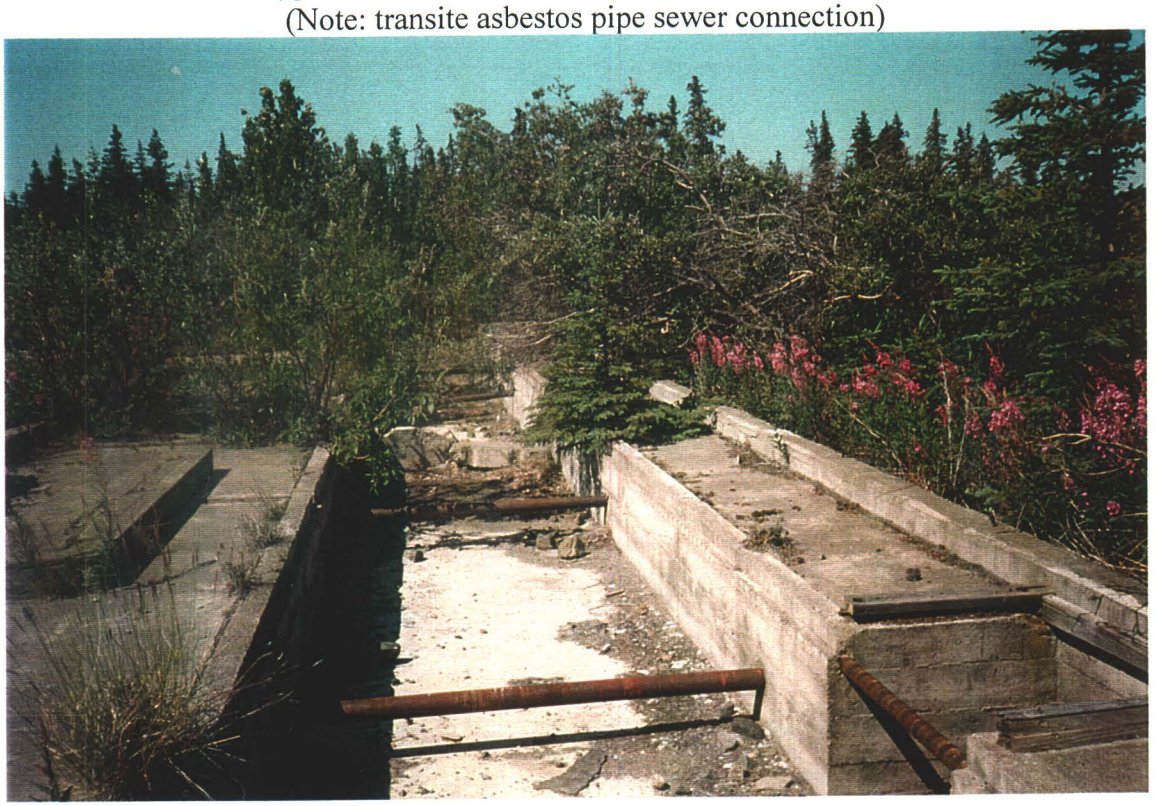


Foundations of old structure between former residences and Pump House.

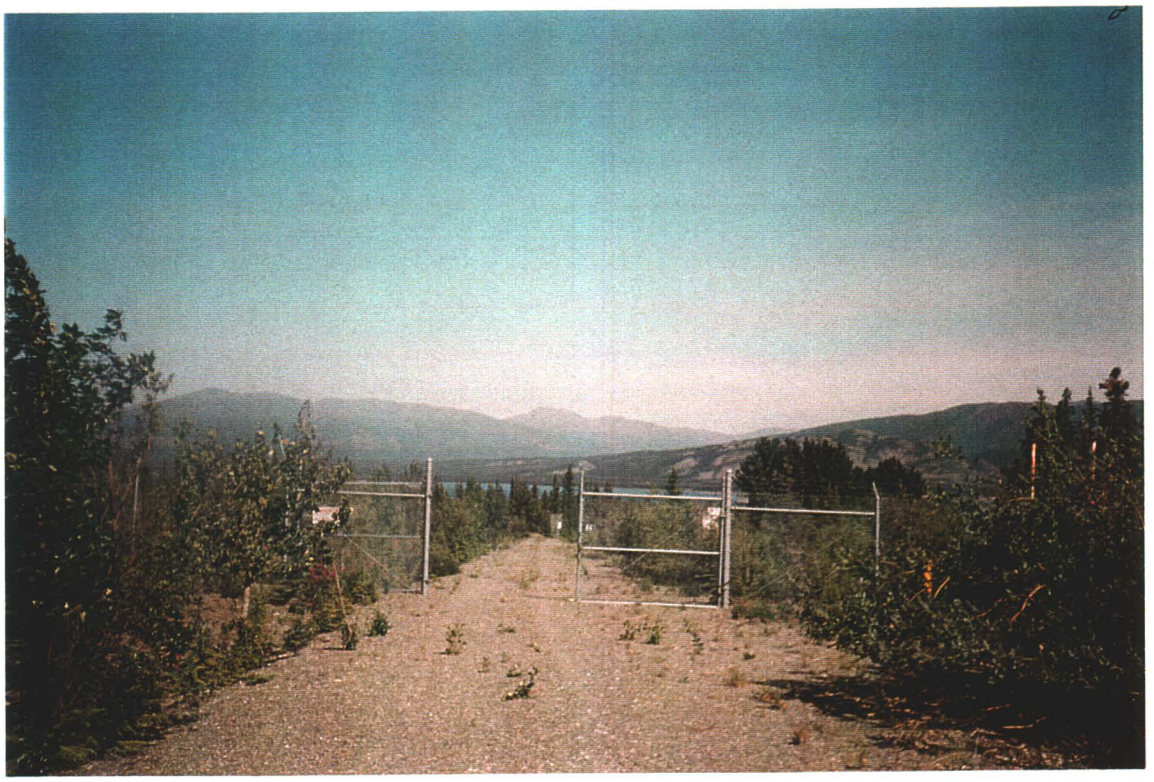
Pump House building. Exterior

Pump House building interior. Note 5 sheets asbestos wallboard.

Pumphouse Building interior. Note significant concrete pad structure.

Pump House interior. Detail of wooden siding.

Front of main building. Note stainless steel ventilation structures, and asbestos-filled Generator Room stacks.



Location of two underground storage tanks and former pump island to the right of main gate.

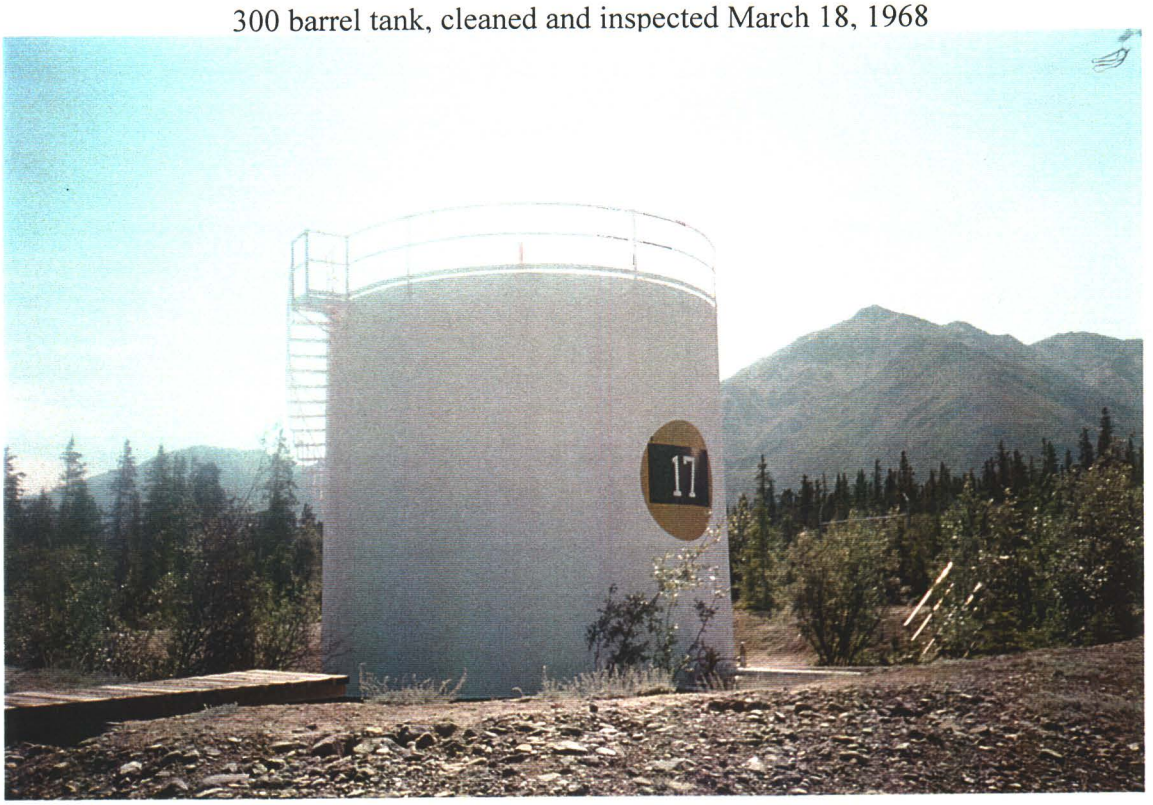
Main Building. Pipeline entry/exit lines.

Bulk storage tanks line connections, back of Main Building.

Debris pile back of Main Building

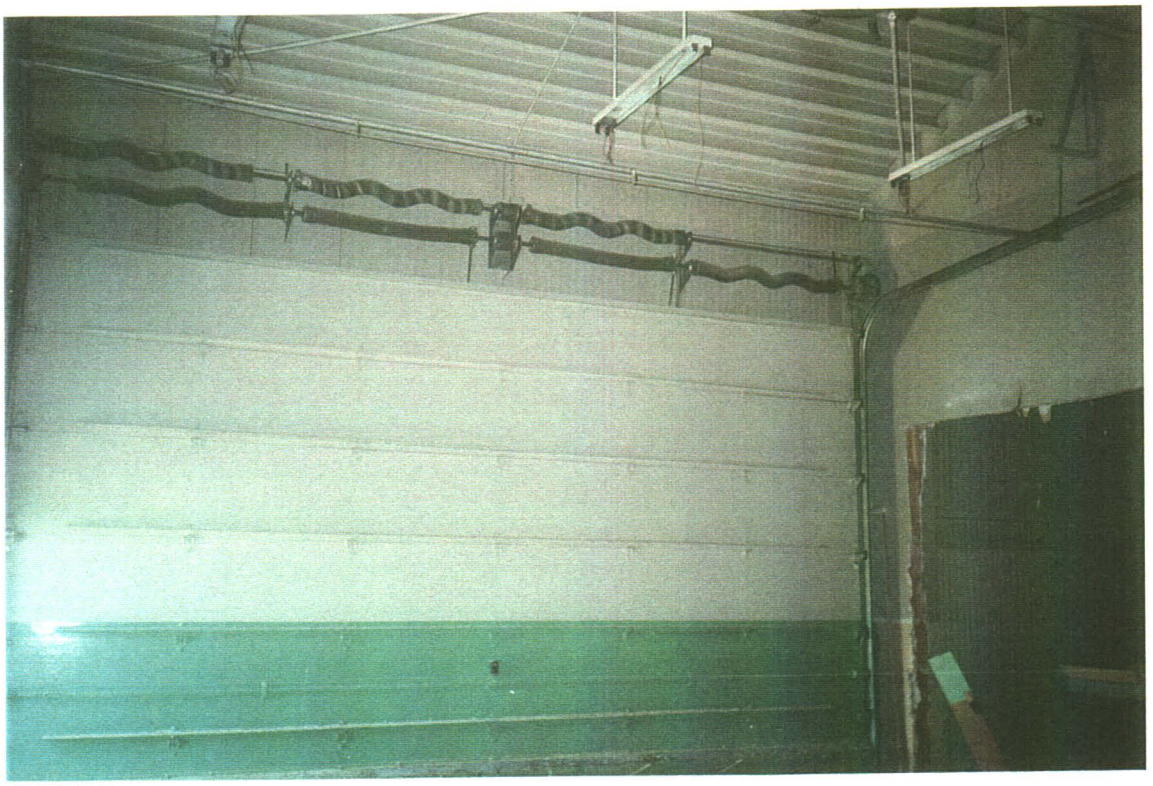
Day tank

300 barrel tank, cleaned and inspected March 18, 1968



Main product tank, 1440 barrel capacity. Man-way loosely bolted, indicating entry following product removal.

Pit area between bulk product tanks and UST's

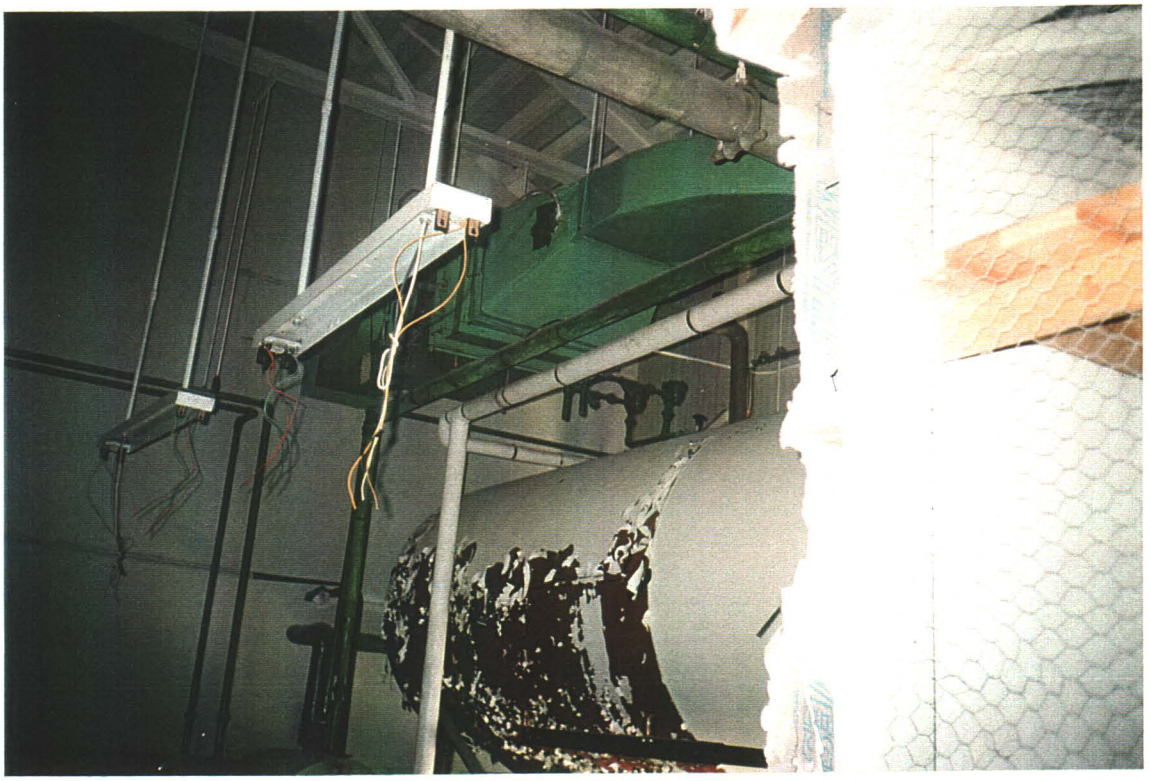


Mechanical Room/Shop. Over-head door.

Mechanical Room/Shop. Maintenance fluid storage tank.

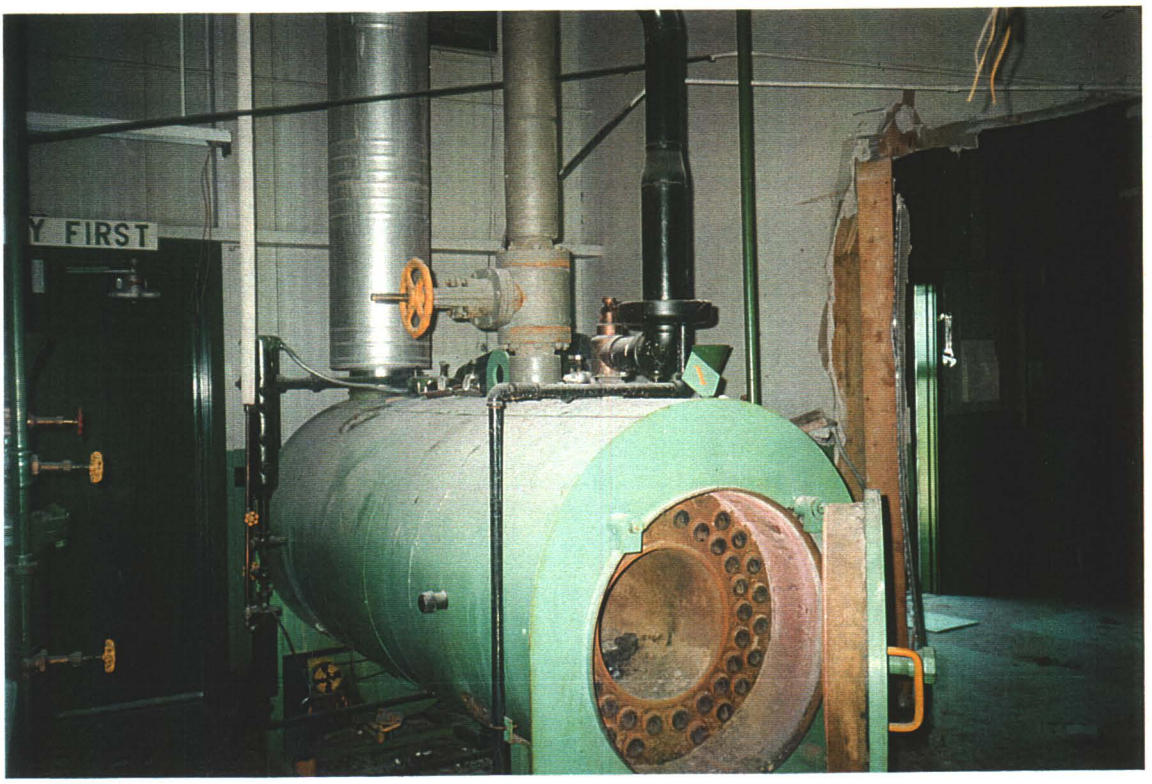
Mechanical Room/Shop. Concrete floor, with sealed sump.

Store Room. Fenced storage units.



Store Room. Former location of cold storage lockers.
Note wall destroyed during locker removal

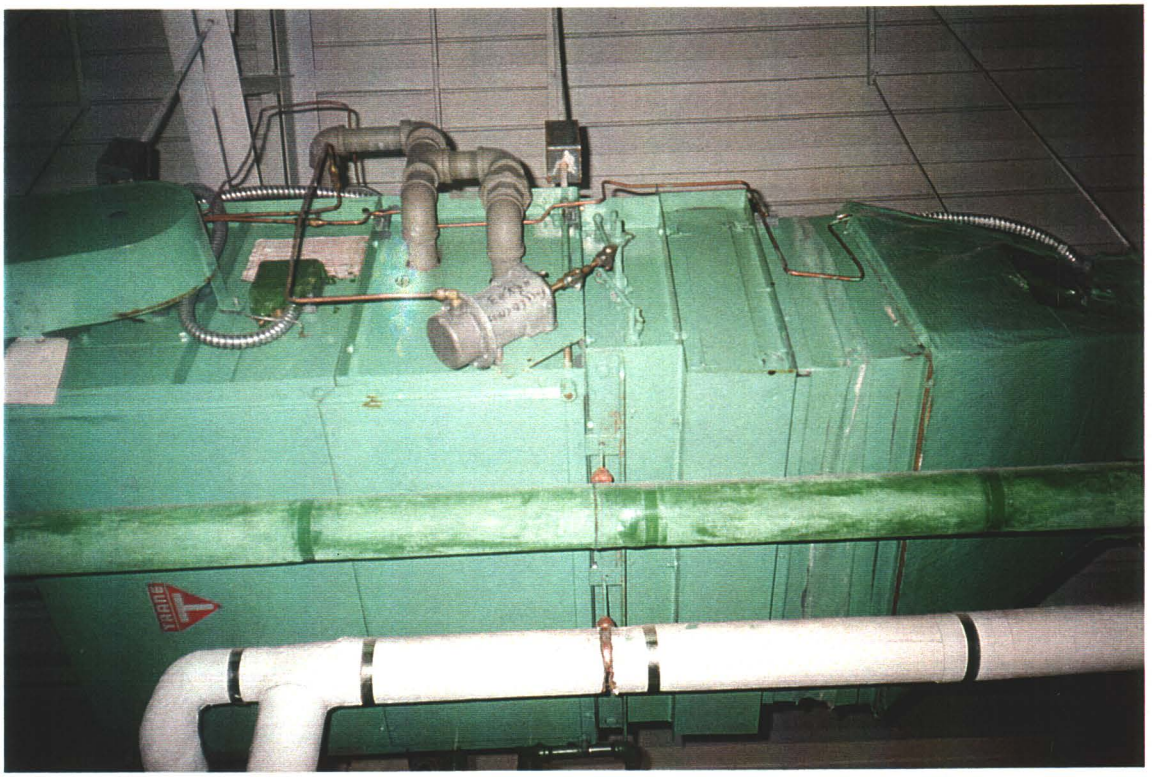
Store Room view into Boiler Room. Note water storage tank.
Lead based paint is peeling from sides.



Boiler Room. Entry door, boiler # 1.
(note: asbestos gasket on door, all water/glycol lines are disconnected and drained)

Boiler Room. Top of boiler #1.
(note: asbestos insulation is present in stack)

Boiler Room. Steam, sewer, and water lines leading out to former housing area. Condensate return line returns back to boiler room.



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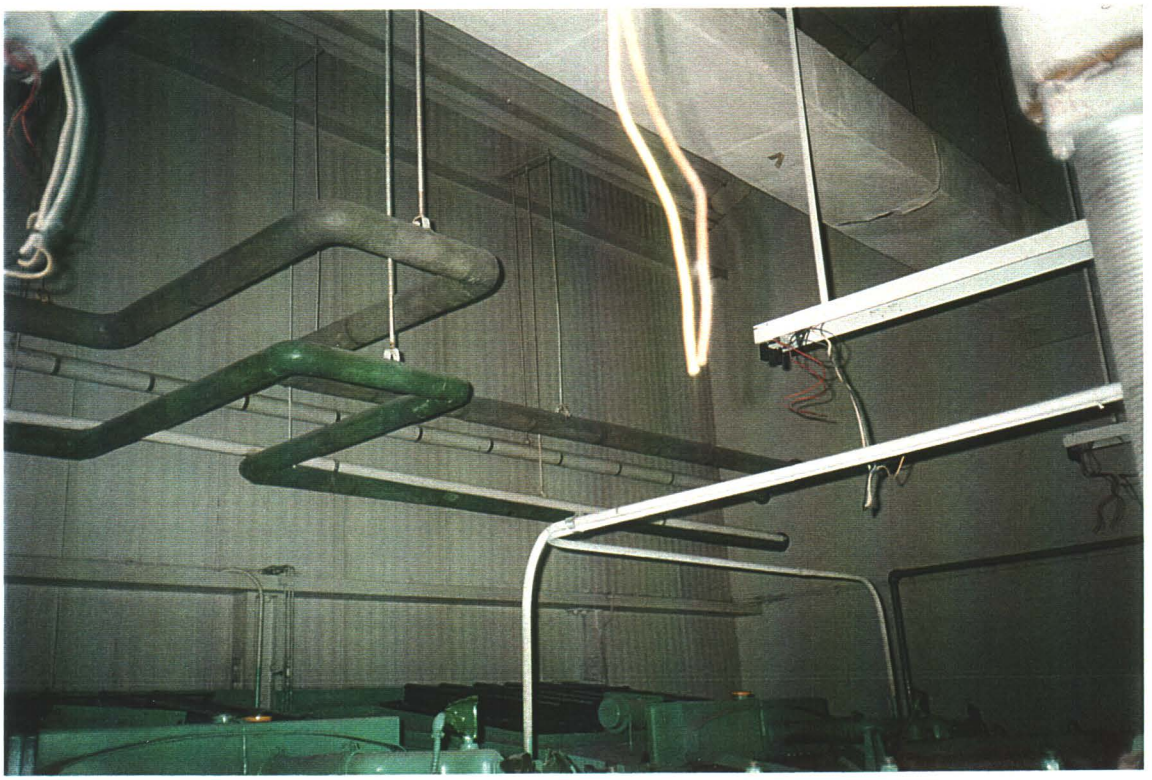

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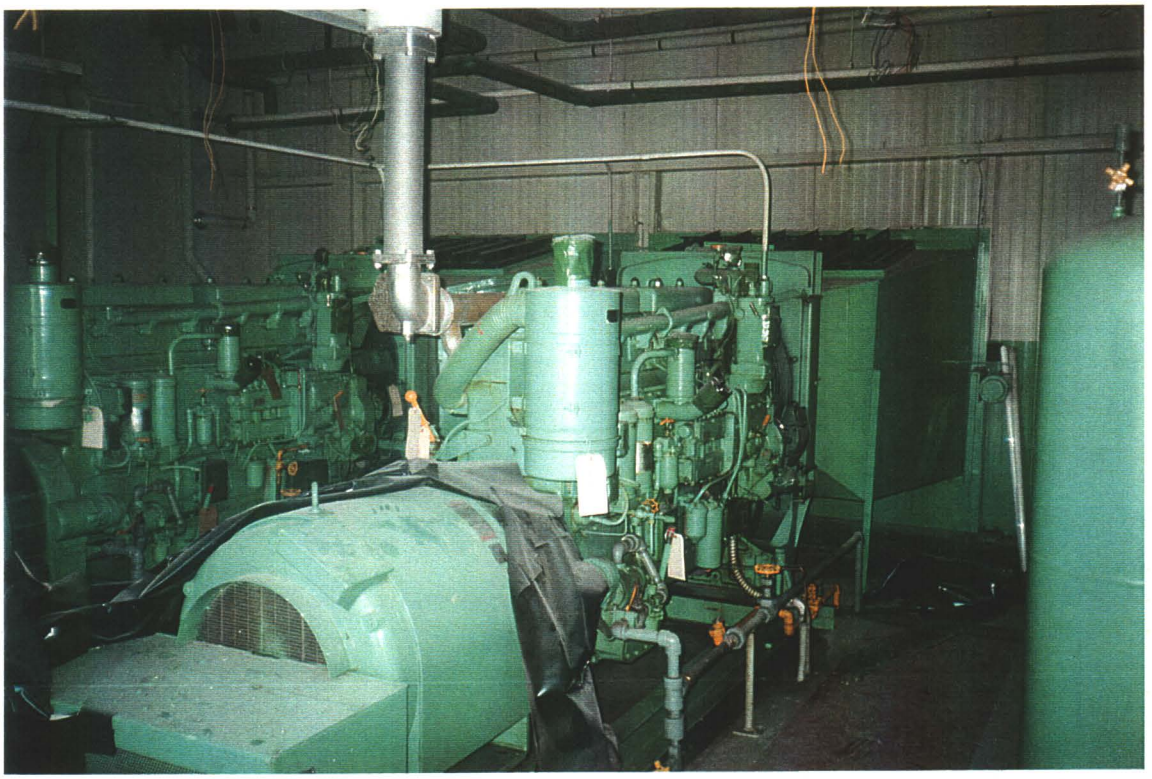

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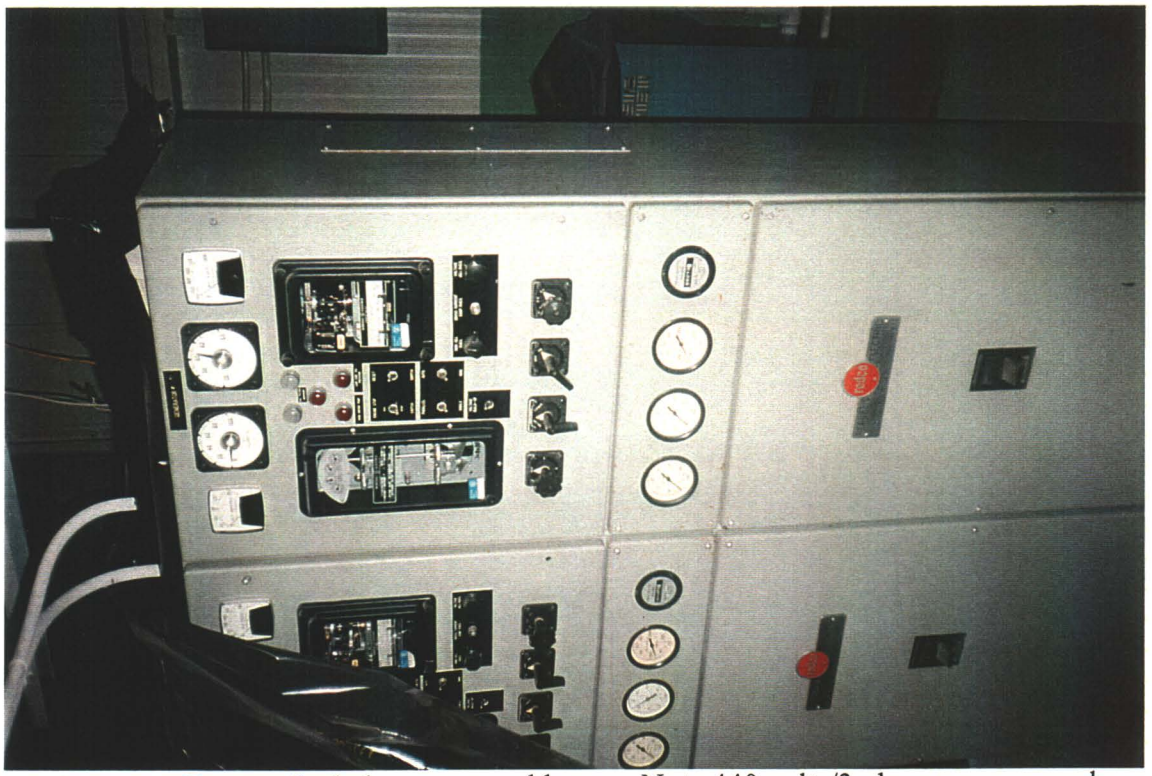

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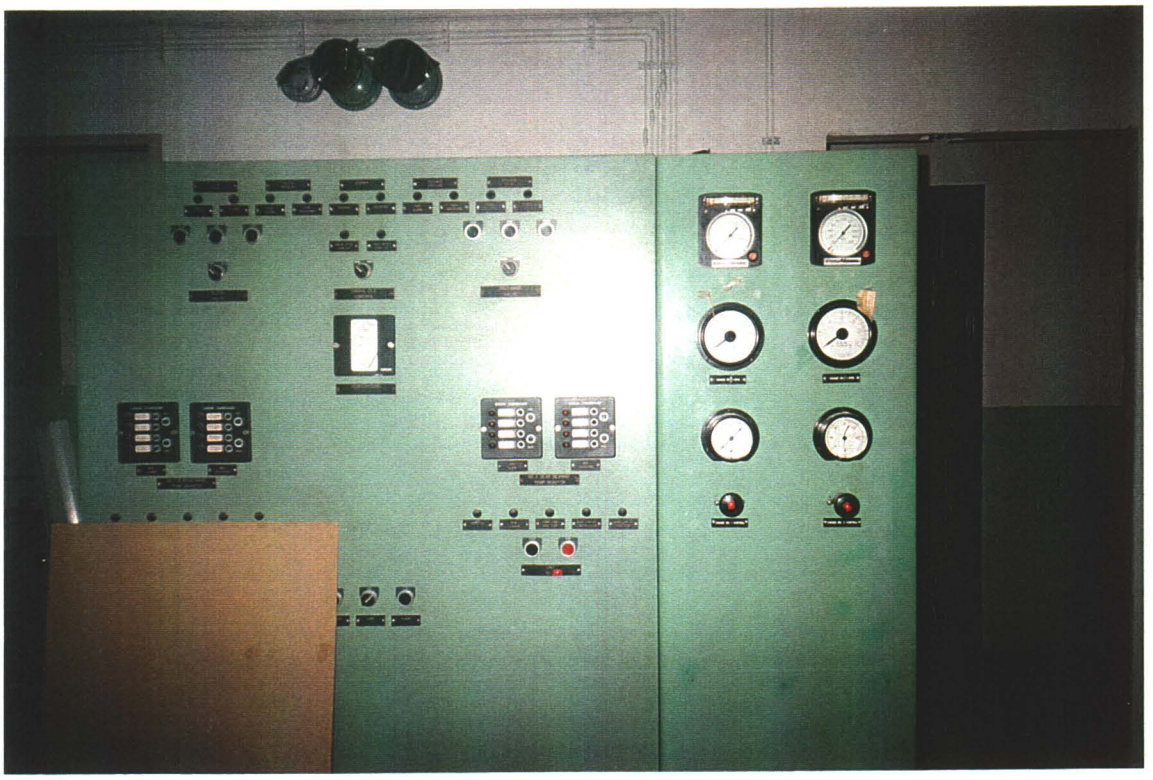

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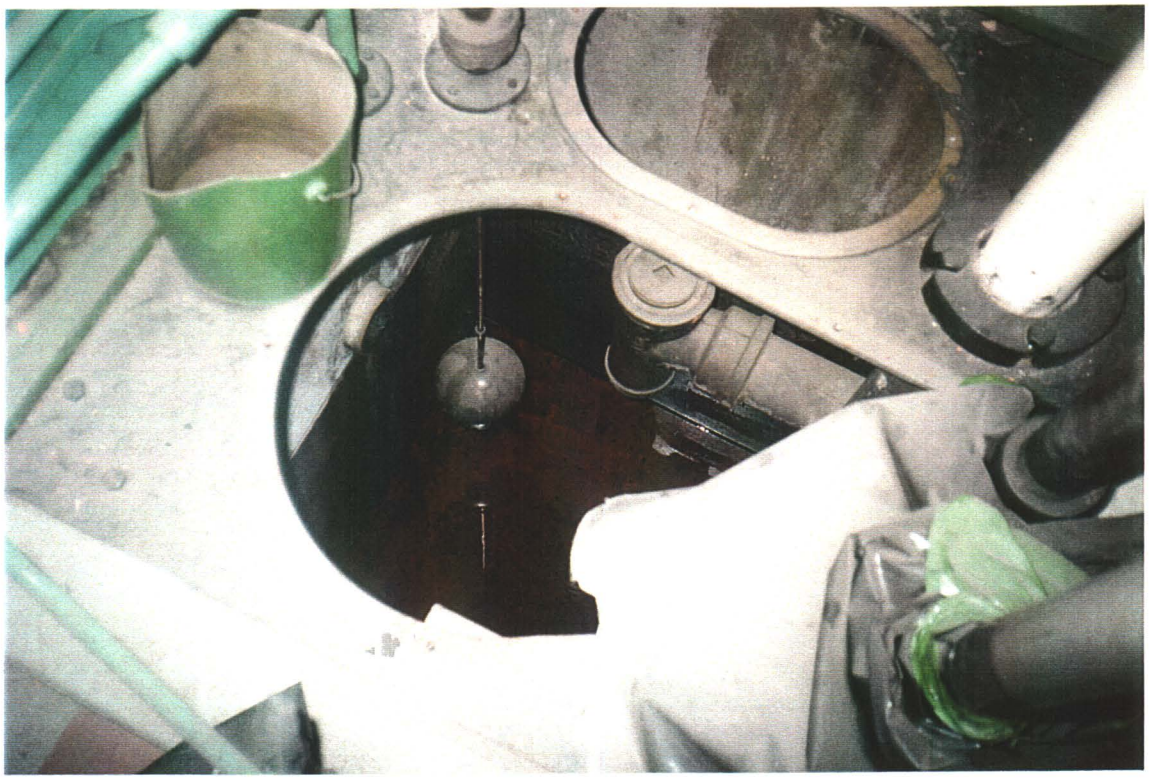

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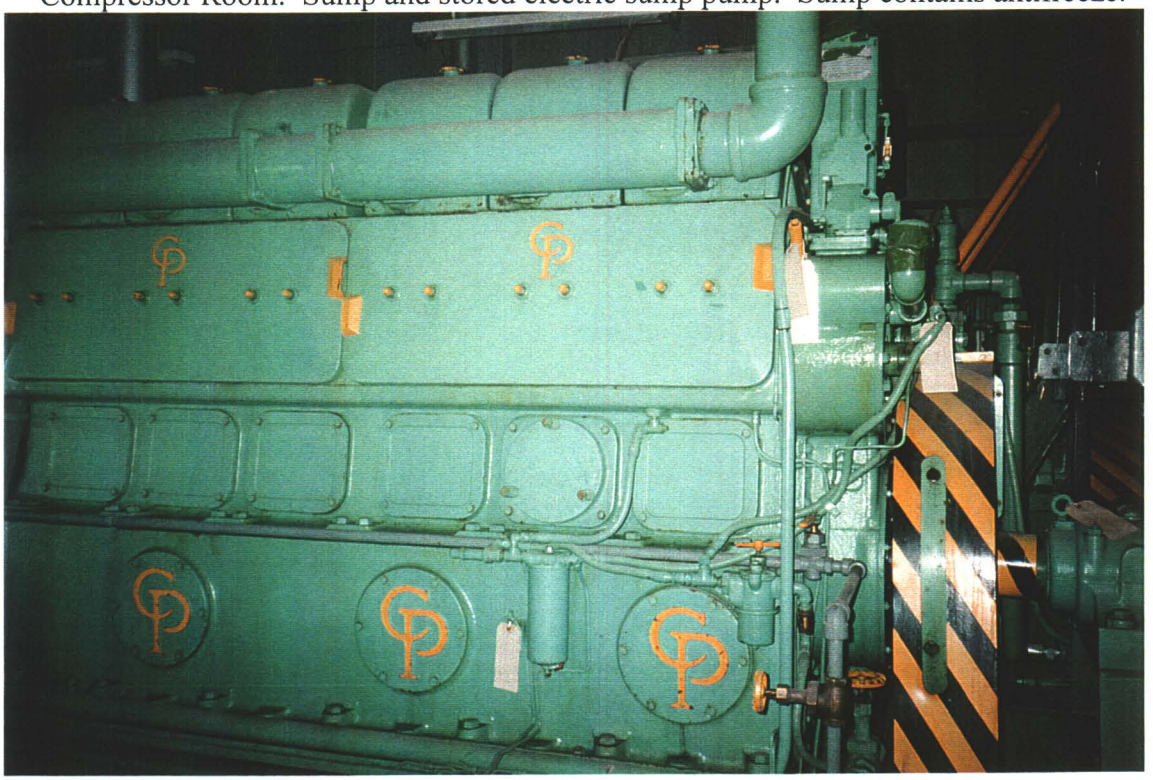

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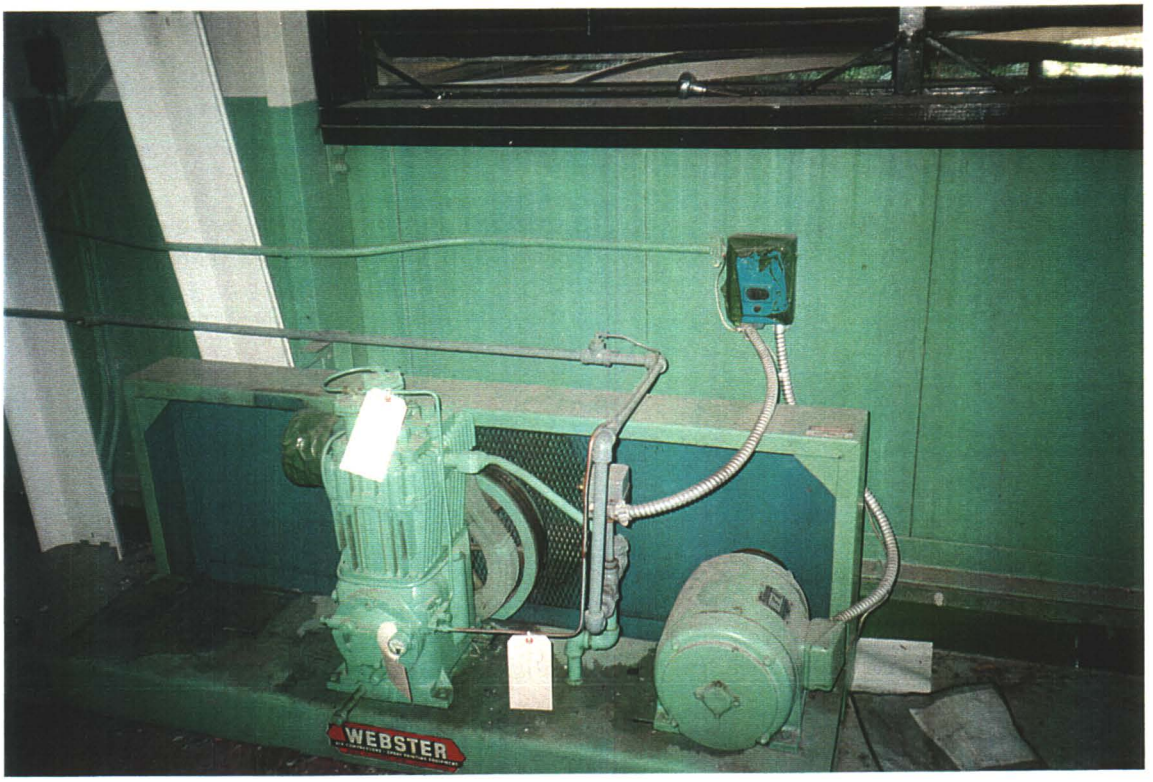

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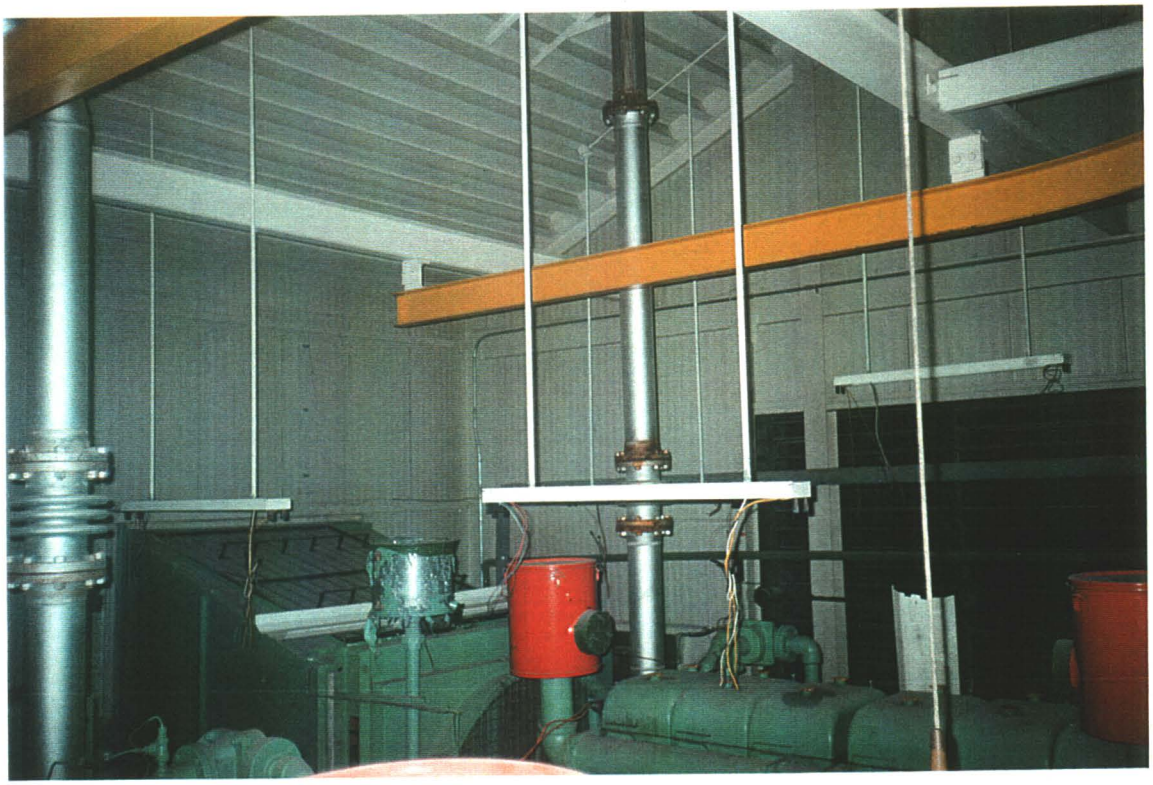

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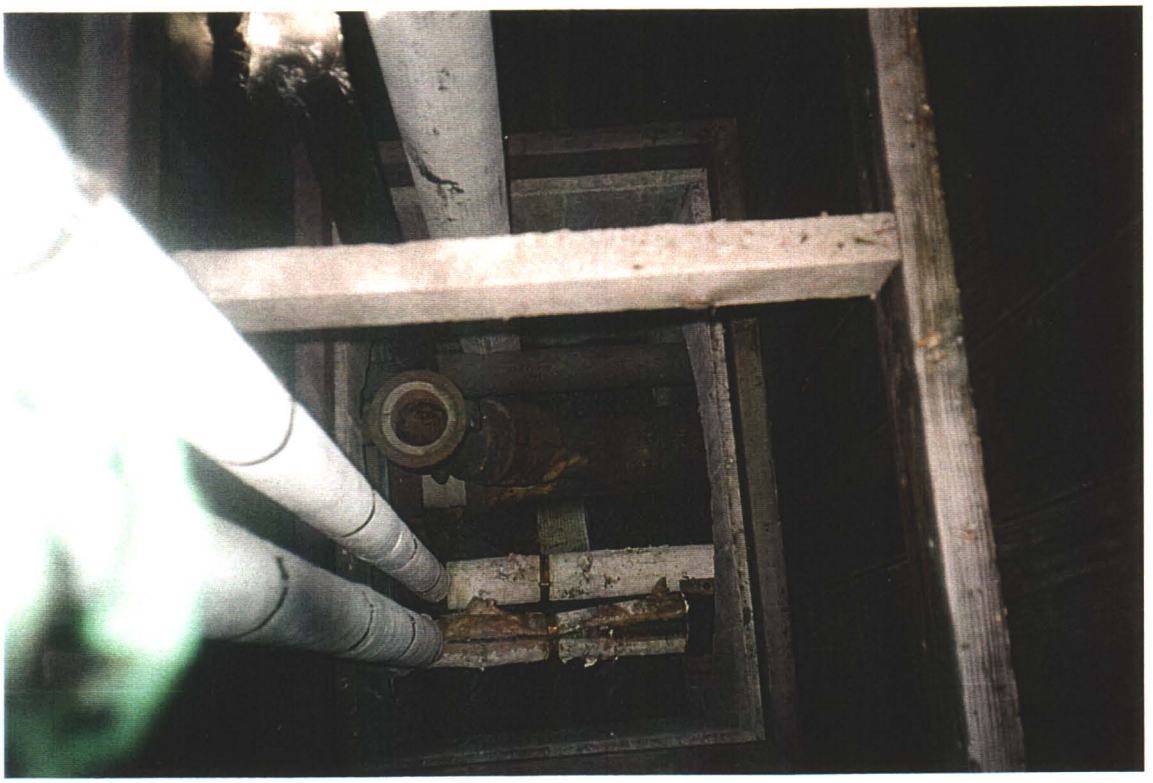

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