

APPENDIX 5.6

Report on possible PCB contamination of town site buildings



to: Murray Markle, Site Manager
from: Eric Denholm
date: September 22, 2004
c.c.: Bob Carreau
re: Nanisivik, PCB Analysis of Paint Chips and Wood

Two samples of exterior paint chips and two samples of exterior wood have been analysed for PCB content. The samples were collected in the townsite as being visually representative of "original" materials. The analyses are in specific response to questions raised by the Government of Nunavut regarding the possibility that PCB amended painted may have been used at one time or that PCB-containing oils may have been used as a wood preservative at one time.

The samples were as follows:

- Red paint chips from the east side of the exterior base of the "dome" building;
- Brown paint chips from east exterior side of building #514 that underlies surficial green paint;
- Upper/outer portion of splitting, black-stained plywood skirting at building #509, west side by utilities;
- Plywood skirting near entry to crawlspace of building #603 (south side).

The analyses were conducted at ALS Environmental, which is CAEAL accredited, and were all less than the method detection limit of 10 mg/kg, as attached. For reference, the *Federal Chlorobiphenyl Regulations* limits the concentration of PCB's to 50 mg/kg, pending any special allowances at certain disposal sites. This adequately demonstrates that exterior paints are not PCB-amended and that external wood was not preserved with PCB-containing oils.

Part 3, Item iv of the NWB's *Letter of Approval* for the Nanisivik Closure Plan requires that buildings be sampled and analysed for PCB's in paint and protective oils and that the results be reported in the appropriate quarterly report. We suggest that this memo and the attached laboratory report be provided to the NWB in response to this requirement.



Since the test results are all less than the regulatory limit of 50 mg/kg, there is no need for a PCB contingency plan for buildings as is contemplated in the *Letter of Approval* in the event that contamination was identified.

We trust that this information is self-explanatory. Let us know if you have any questions regarding the above.

Eric Denholm

Project Solids Analysis
Report to Gartner Lee Ltd.
ALS File No. U6972
Date Received 8/16/2004
Date: 8/20/2004

RESULTS OF ANALYSIS

Sample ID	Red	Brown	Wood 1	Wood 2
Date Sampled				
Time Sampled				
ALS Sample ID	1	2	3	4
Nature	Sediment/Soil	Sediment/Soil	Sediment/Soil	Sediment/Soil

Polychlorinated Biphenyls

Total Polychlorinated Biphenyls	<10	<10	<10	<10
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Footnotes:

< = Less than the detection limit indicated.
Results are expressed as milligrams per dry kilogram.
Samples were assumed to be dry.

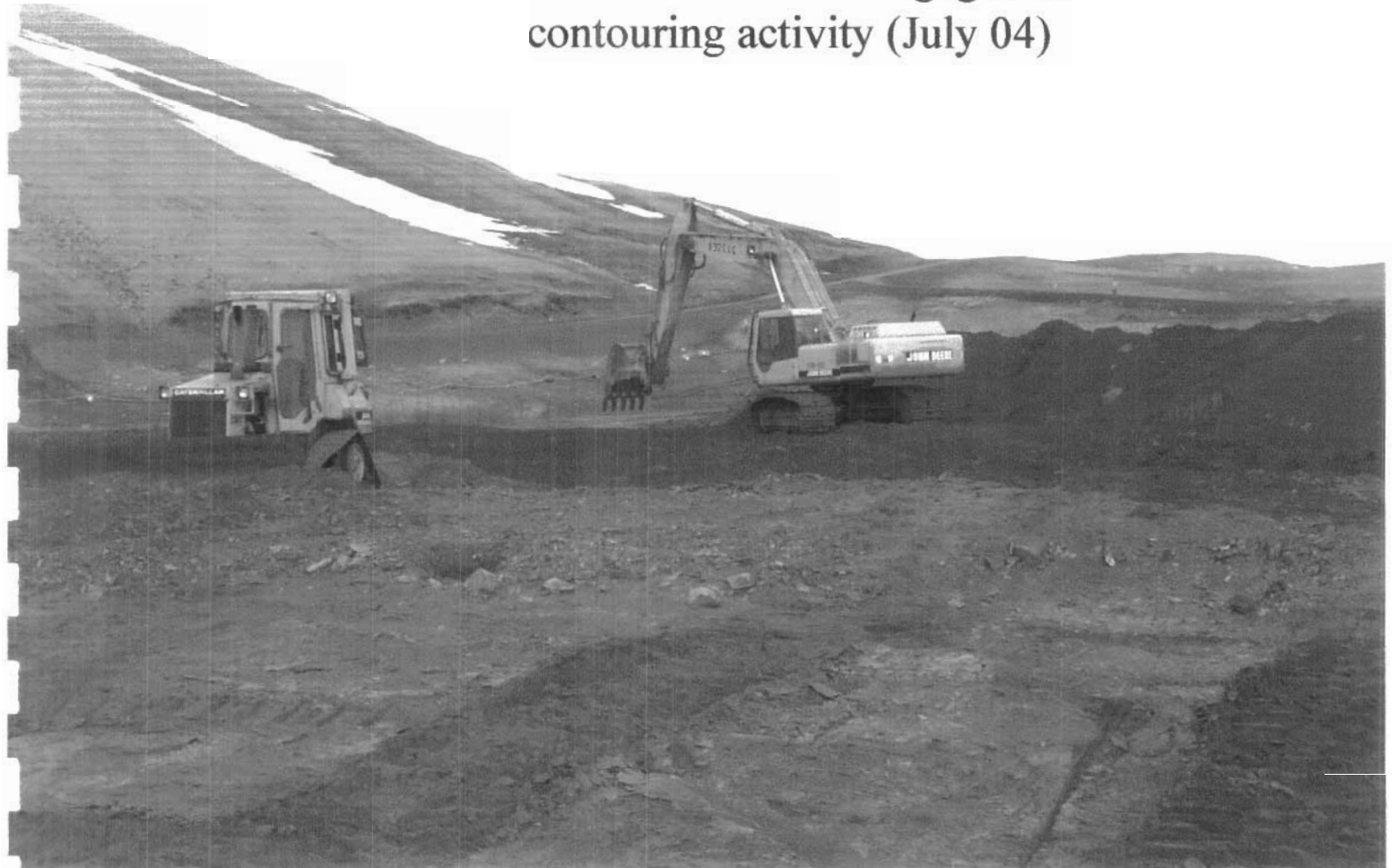
APPENDIX 5.7

Miscellaneous Photos

Surface Cell Pumping (July 2004)



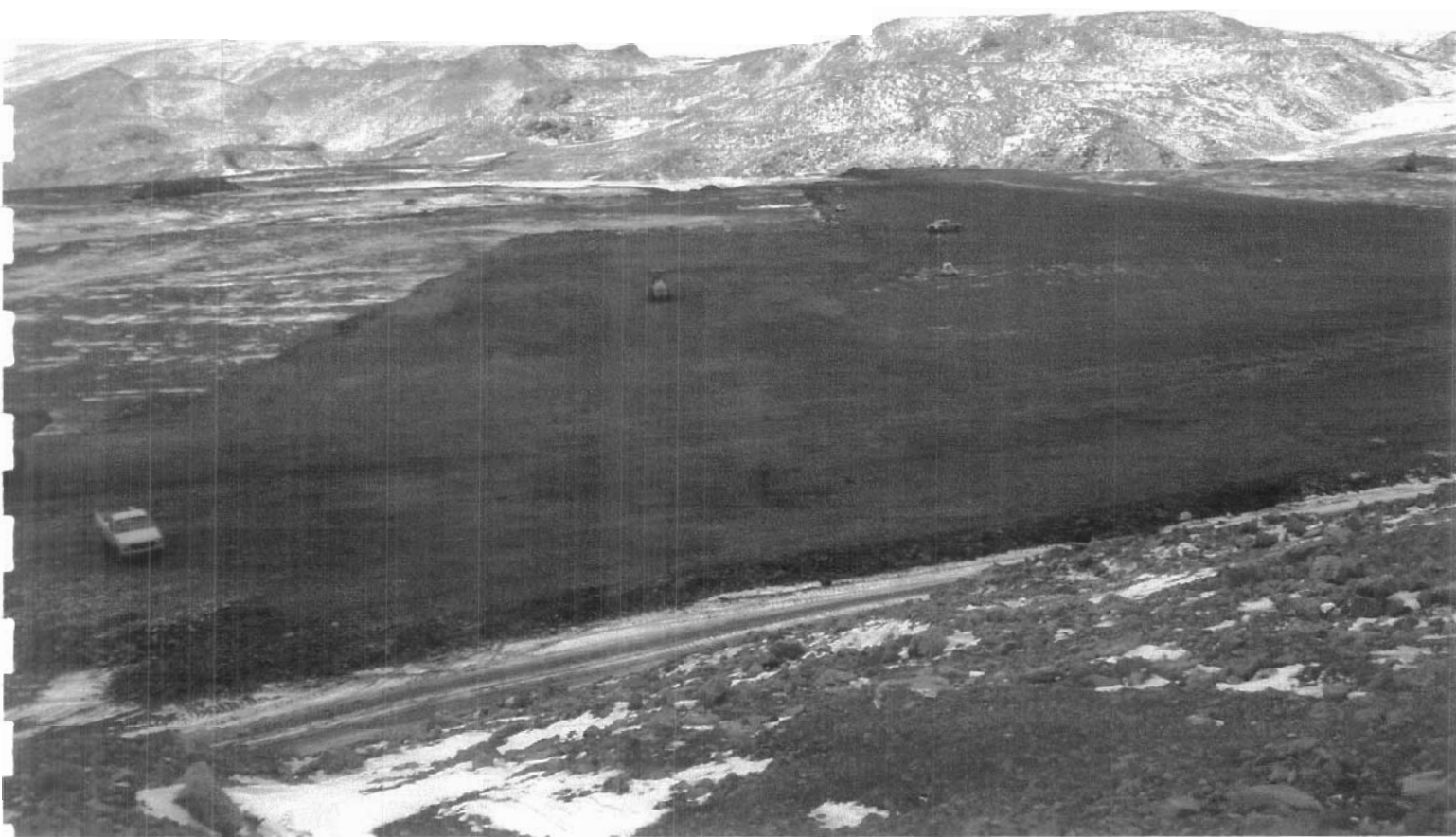
Excavator and D4 engaged in
contouring activity (July 04)



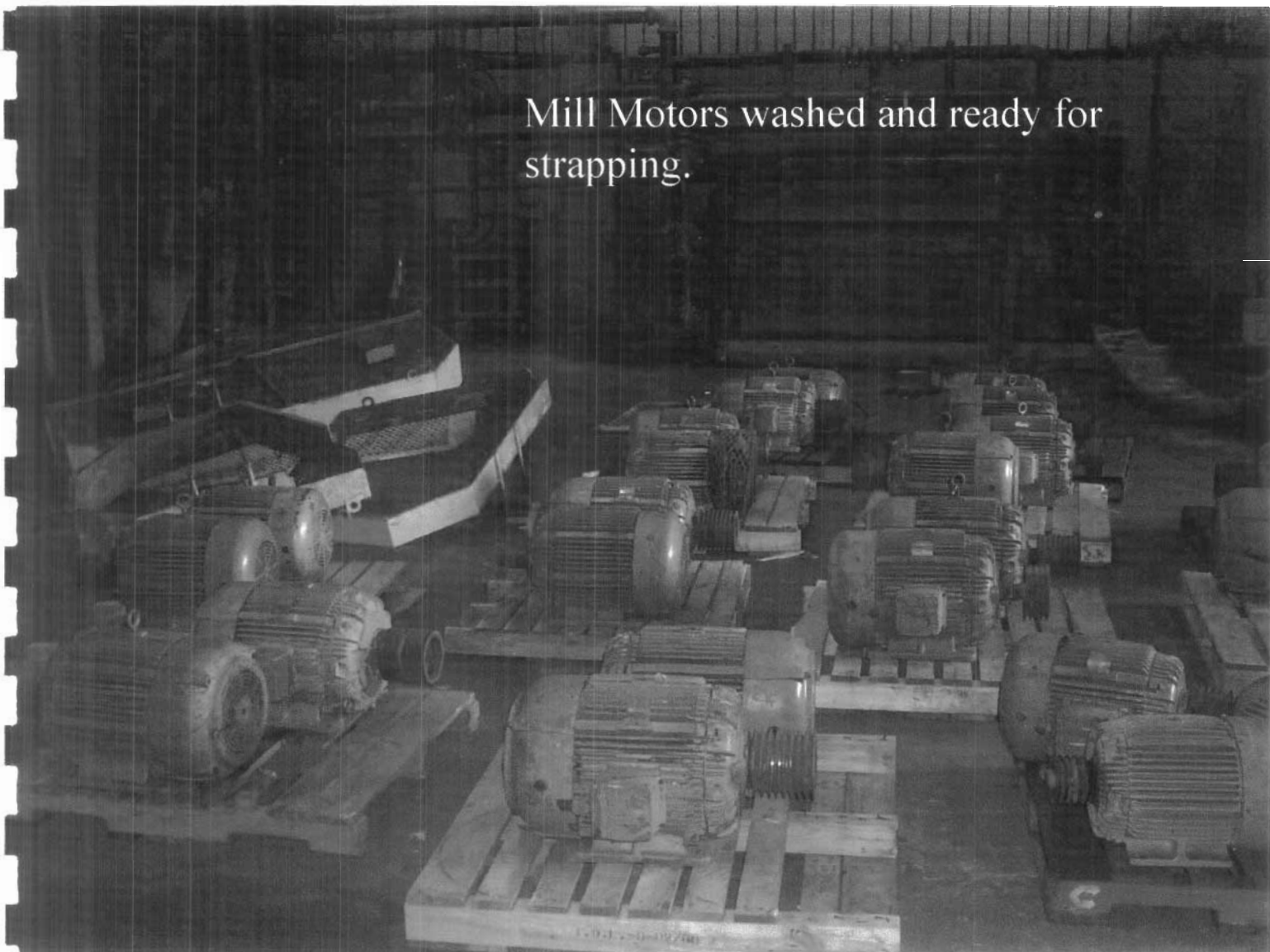


Mount Fugi Quarry (Sept 4/04)

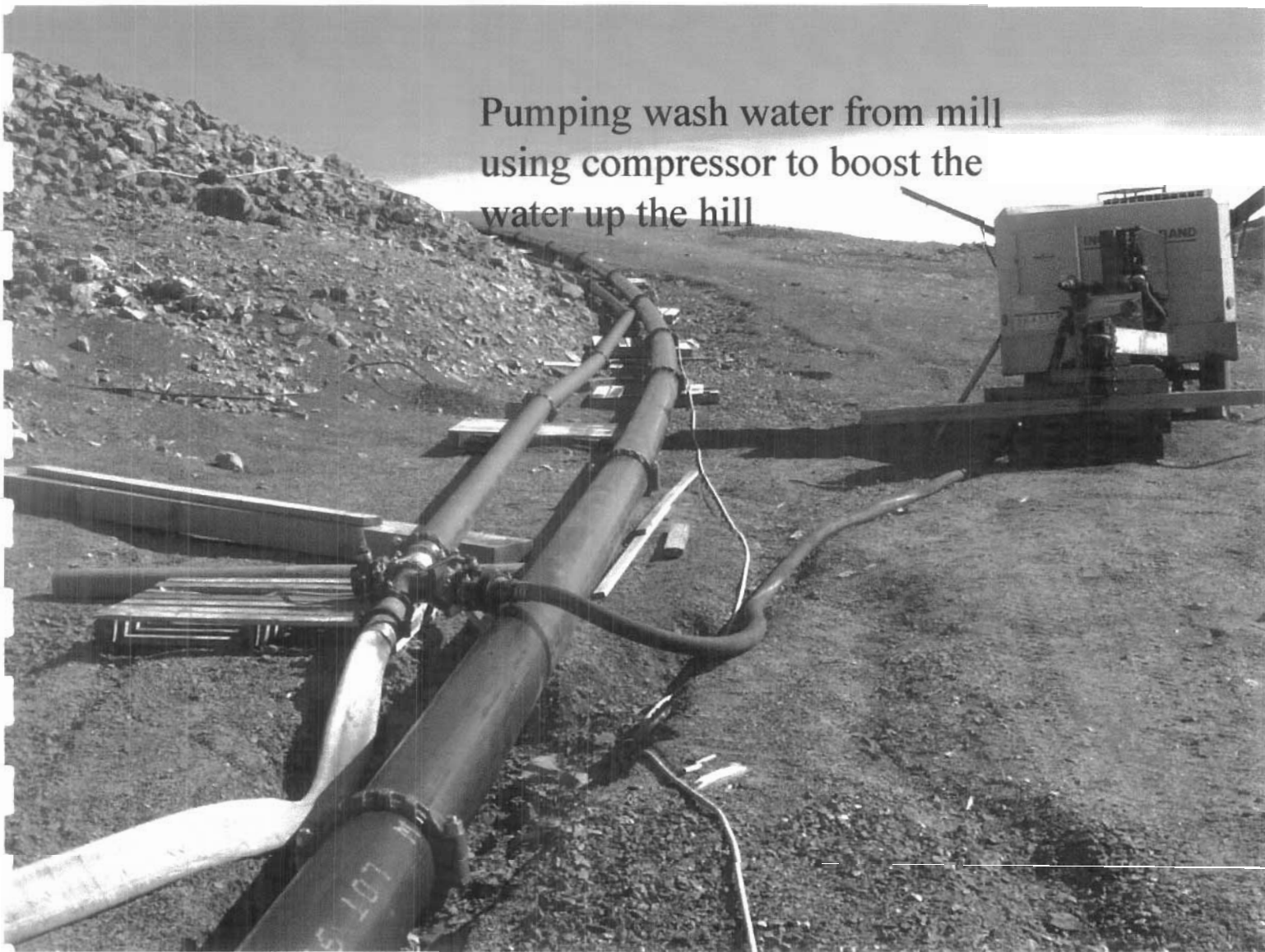
Surface Cell Cover (Sept 24/04)



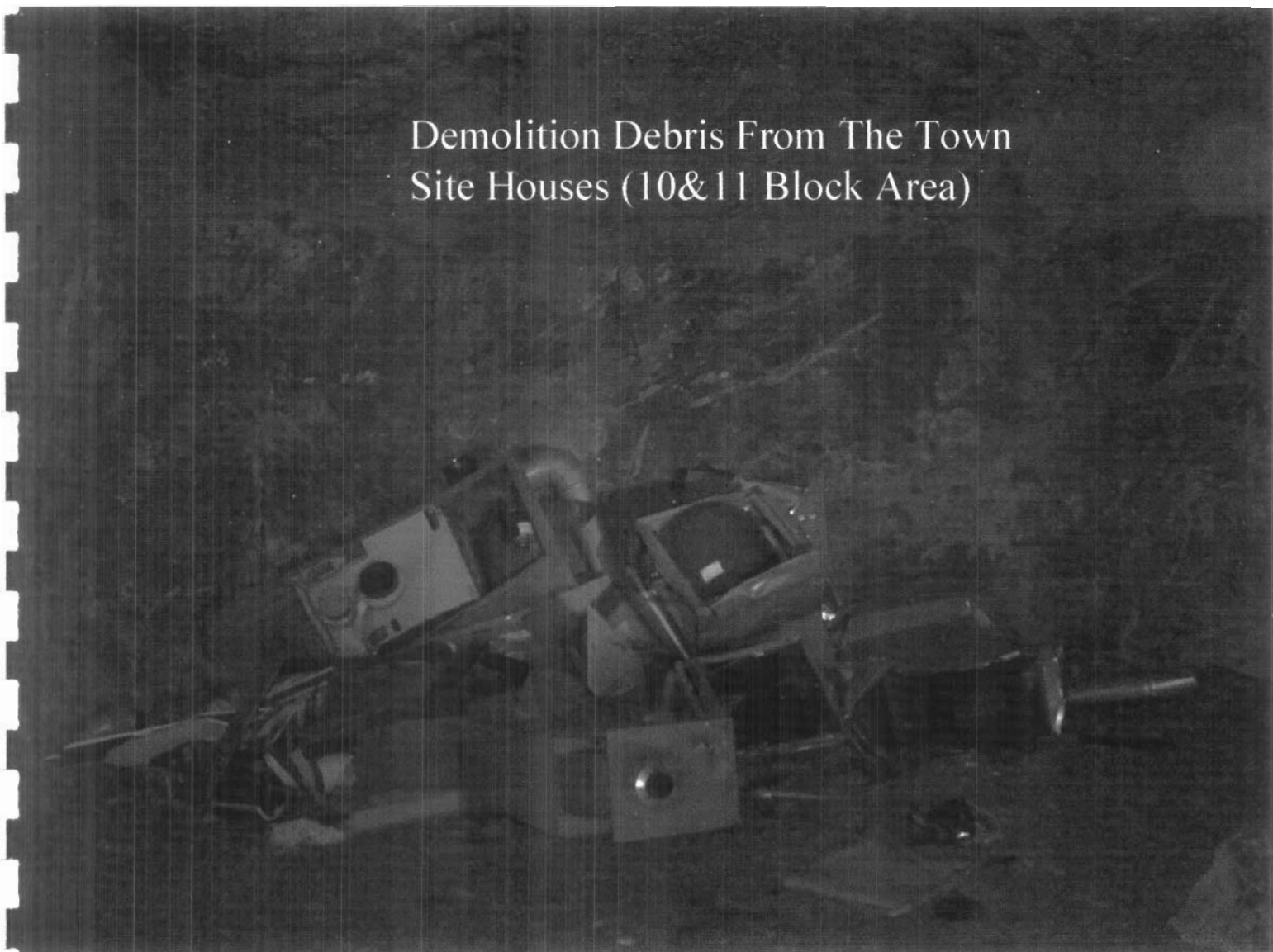
Mill Motors washed and ready for strapping.



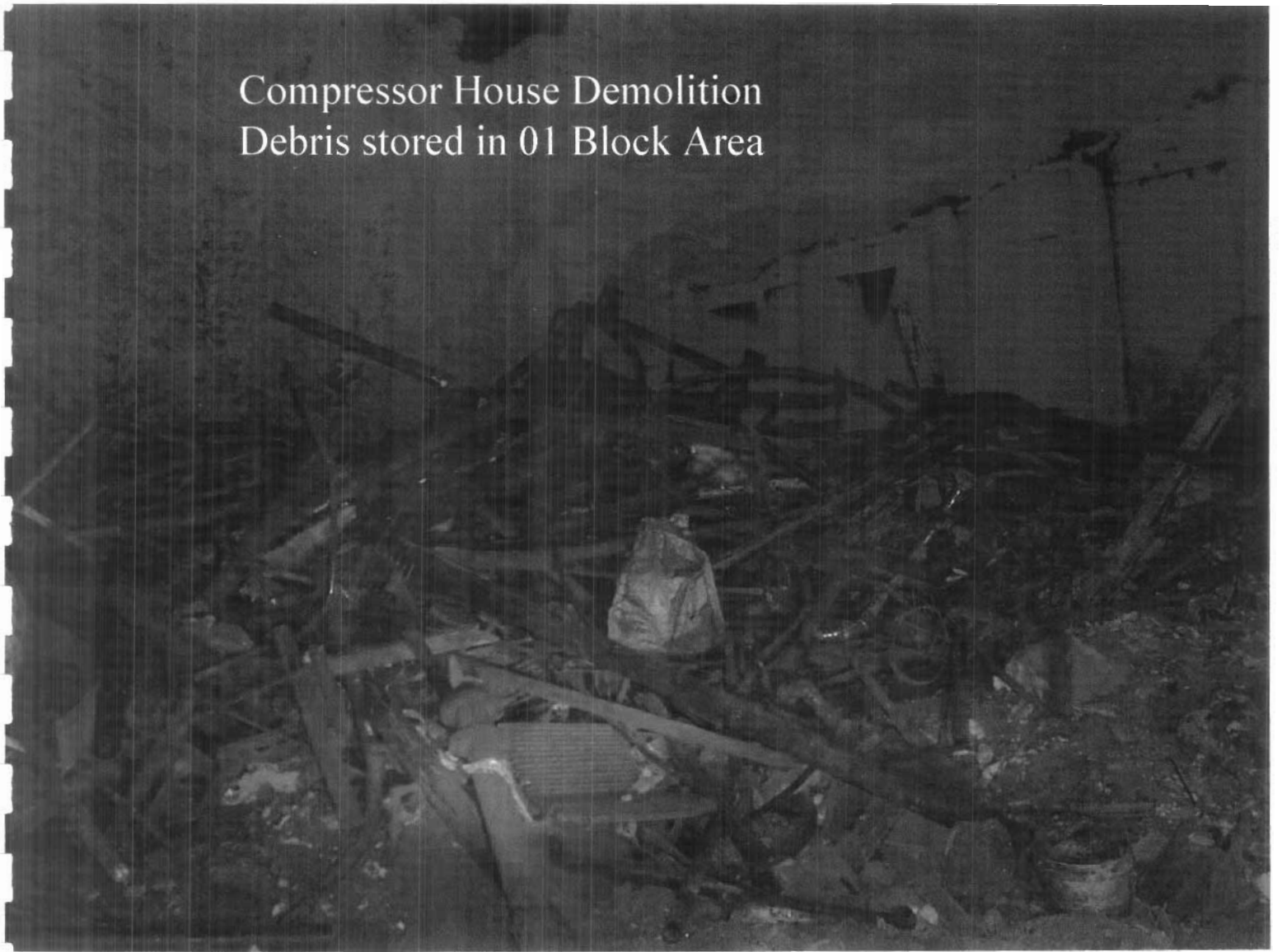
Pumping wash water from mill
using compressor to boost the
water up the hill



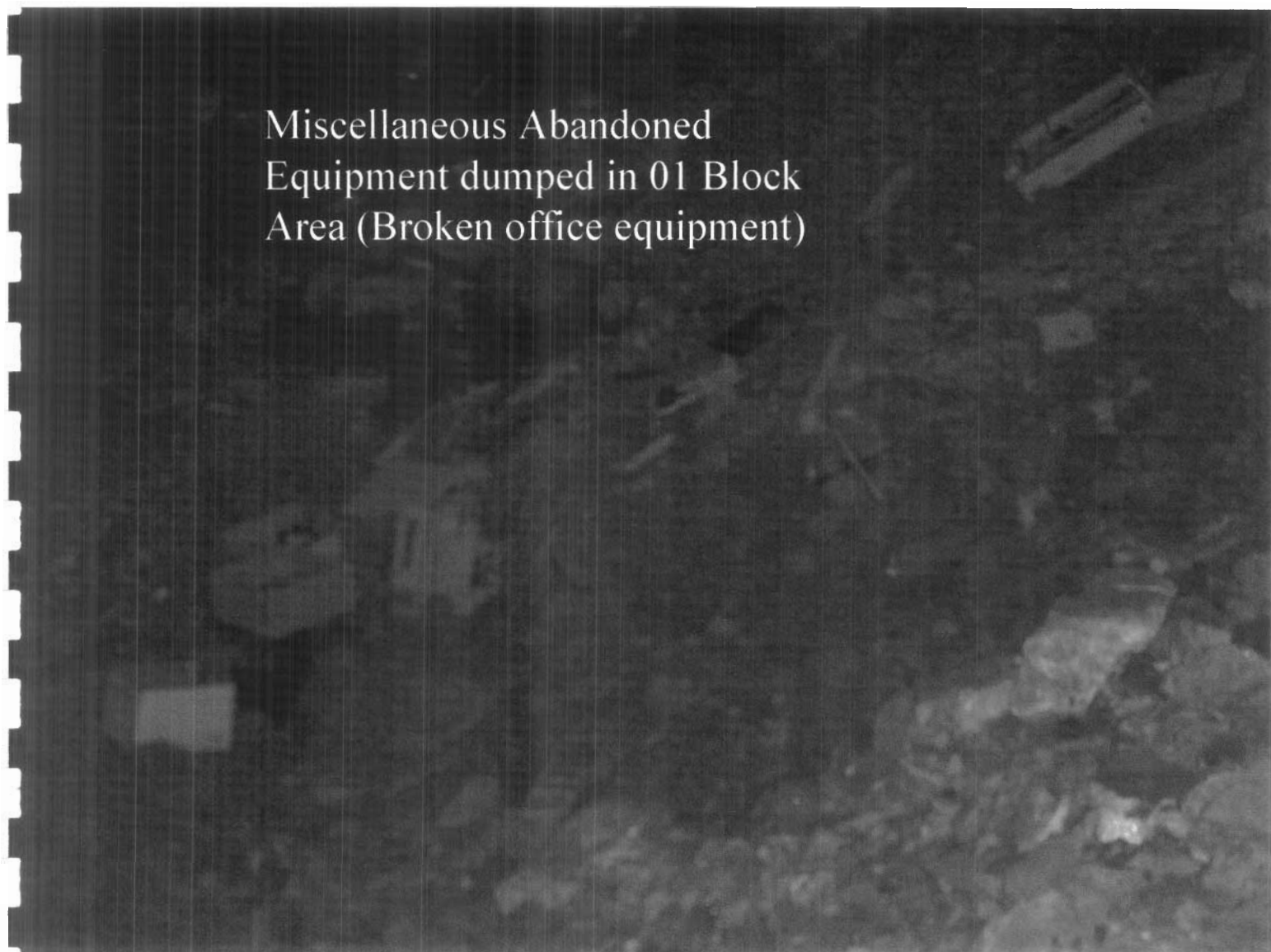
Demolition Debris From The Town
Site Houses (10&11 Block Area)



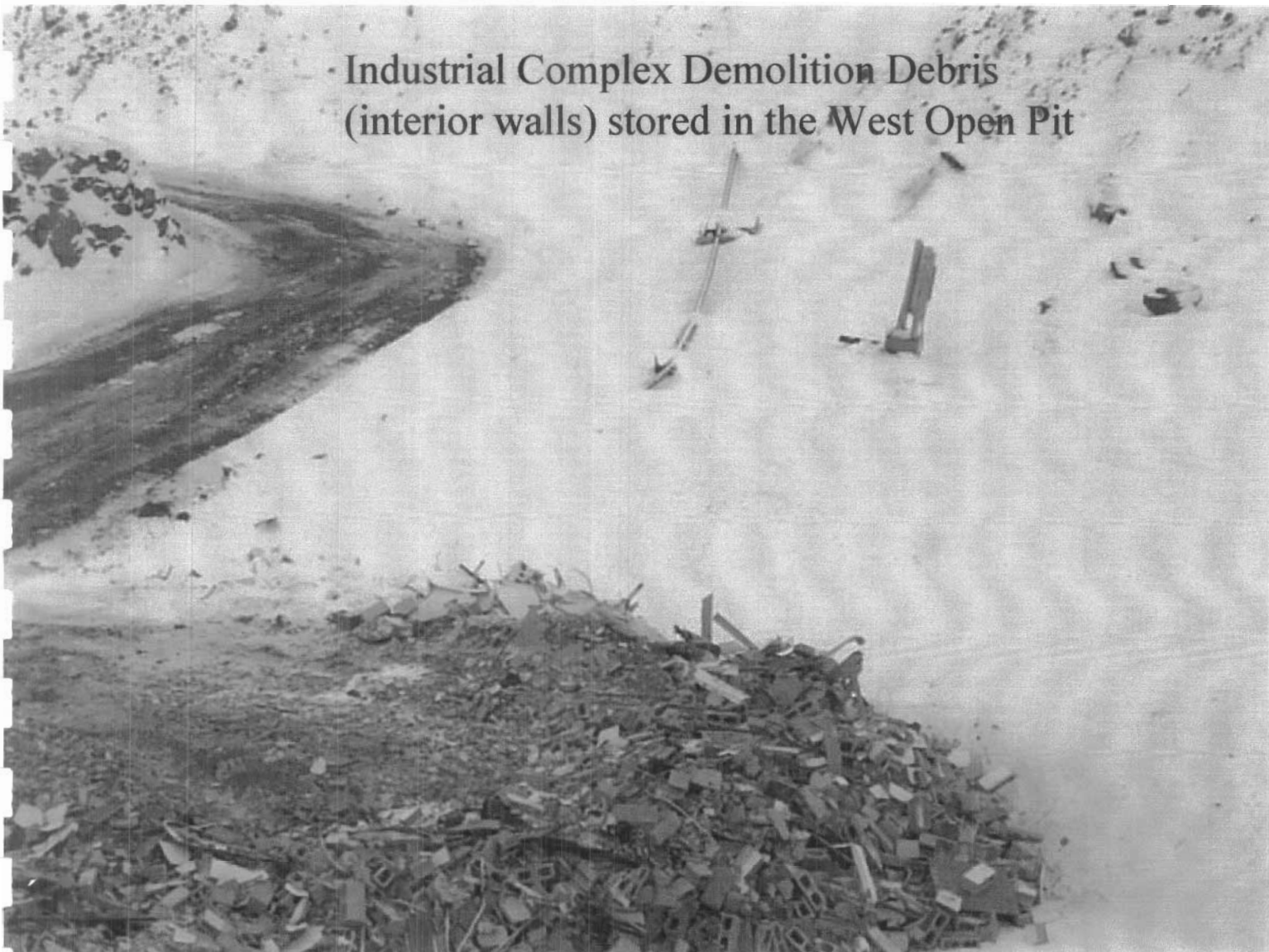
Compressor House Demolition
Debris stored in 01 Block Area

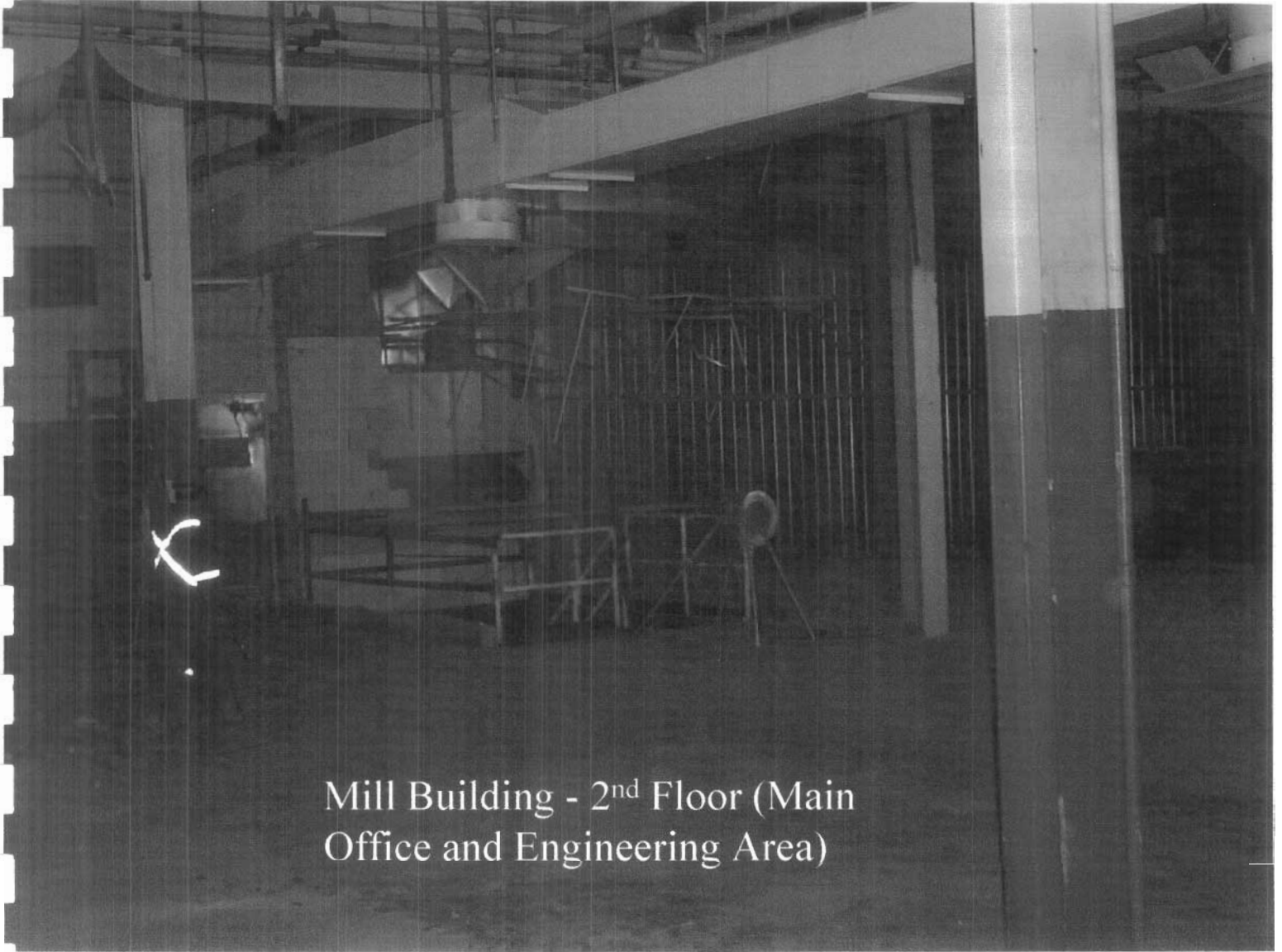


Miscellaneous Abandoned
Equipment dumped in 01 Block
Area (Broken office equipment)



Industrial Complex Demolition Debris
(interior walls) stored in the West Open Pit





Mill Building - 2nd Floor (Main
Office and Engineering Area)