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TCS No. 1268/64-KH  
IB No. 82/64  
13 February 1964  
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MEMORANDUM FOR: Chief, Resources Division, ORR

25X1A ATTENTION : [REDACTED] R/MM  
THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS  
FROM : Chief, CIA/PID (NPIC)  
SUBJECT : Krasnoyarsk Alumina and Aluminum Plants, USSR  
REFERENCES : (1) ORR Requirement No. C-RR4,80,974  
(2) CIA/PID Project No. C 130/64

1. This memorandum is in response to the above referenced requirement requesting annotated enlargements from three photo missions to show the construction activity, a description of the facilities from the latest photo mission, and measurements of all major buildings at the Krasnoyarsk Alumina and Aluminum Plants, USSR.

2. An analysis of photo mission [REDACTED] 25X1D  
[REDACTED] revealed a probable alumina plant in partial operation designated 25X1D  
as Area "D" of enclosure CIA/PID/IB-P-297/64. The northern portion of the  
25X1D plant is still under construction.

The largest building in the plant, other than those annotated on enclosure CIA/PID/IB-P-297/64, could possibly be for sintering, leaching, and desiliconization with the northern most section for sintering, the middle section for leaching and the southern most section (the tallest section) for desiliconization. However, the snow cover hampers the interpretation of the buildings definite function.

The waste or red mud from processing the ore is probably taken to a cement plant in rail cars as no red mud lake was noted.

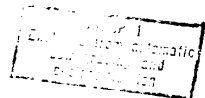
For a further break-down of the facilities refer to enclosure CIA/PID/IB-P-297/64.

3. The aluminum plant was interpreted from photo mission [REDACTED] and annotated on enclosure CIA/PID/IB-P-297/64. This plant is not in operation, but it has one pot room complete and probably operational. If the plant continues at the present rate of construction it should be in operation by late 1965. 25X1D

DECLASSIFICATION REVIEW BY NIMA / DoD

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SUBJECT: Krasnoyarsk Alumina and Aluminum Plants, USSR

The location and length of the rectifier building (Area "E" Annotation 12, Enclosure CIA/PID/IB-P-297/64) indicates a probable total of five pot rooms to be located in the southern area of the plant.

The terrain in the northern portion of the plant area is gullied and would therefore take considerable grading and filling before construction of additional pot rooms or other facilities could be accomplished.

Photo missions [REDACTED]

25X1D

25X1D

25X1D

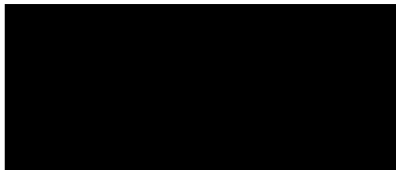
[REDACTED] were used to make the following comparison. (See Attached)  
The annotations used in this comparison are the same as those used on enclosure CIA/PID/IB-P-297/64.

5. Measurements and a line drawing of both the Aluminum and the Alumina Plants are given on enclosure CIA/PID/IB-P-300/64 and were prepared by TID/NPIC. All height measurements are very approximate.

6. The photo analyst assigned to this requirement was [REDACTED] who can be contacted on extension 2547 should any further information concerning this memorandum be desired. This requirement is considered complete.

25X1A

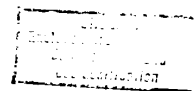
25X1A



ENCLOSURES:

- 3 Annotated Enlargements (CIA/PID/IB-P-297/64 thru P-299/64)
- 1 Map (CIA/PID/IB-P-296/64)
- 1 Line Drawing (CIA/PID/IB-P-300/64)

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25X1D

AREA AND ANNO NO.	ITEM			
Area "A"	Unidentified Area	Area cleared contains four buildings	No visible change	Two additional buildings added contains possible transformer equipment.
Area "B"	Power Sub-Station	Area cleared contains two buildings	Transformer and switching equipment installed	Power lines erected to sub-station, operational
Area "C"	Plant Housing	Contains approx. 307 houses and four unidentified buildings	19 Houses added	Four additional houses added, four houses still under construction
1.	Water Pipeline	Not visible	Not visible	Installed and serviceable
2.	Administration Area	Foundations laid	Construction continues	Serviceable
Area "D"	Probable Alumina Plant	Contains 27 Buildings	Four Buildings added	Two additional buildings added, construction continues
1.	Probable Mud Washing Tower	Not visible	Not visible	Complete and operational
2.	Boiler House	Complete, but not operating	No visible change	Operating
3.	Precipitation and clarification section	Construction is under way	No visible change	Roof added and operational
4.	Ore Storage Building	Complete and serviceable	No visible change	No visible change
5.	Probable Calcination Building	In late stages of construction	Construction continues	Complete and operational

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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25X1D

AREA AND AMMO. NO.	ITEM			
Area "E"	Aluminum Plant	Contains 13 Buildings	Construction beginning on one pot-room, construction continues 14 buildings	Contains 22 buildings, construction continues
1.	Excavation	Digging begins	Digging continues	Excavation apparently complete 25X1D
2.	Trenches	Four trenches noted	Six trenches noted	Six trenches noted, three appearing on [redacted] are covered
3.	Steam Plant	Area cleared	Foundation laid	Complete and operational
4.	Transformer Yard	Area cleared	Fence erected	Power poles erected to yard, complete and operational
5.	Power Poles	Not visible	Not visible	Erected
6.	Probable Electrode Section	Under construction	Construction continues	Appears complete
7.	Possible Cryolite Section	Not visible	Not visible	Appears near completion
8.	Possible Carbon Rodding Section	Not visible	Under construction	Appears complete
9.	Unidentified Building	Near completion	Appears completed	No visible change
10.	Pot Room	Foundation laid	Near completion	Complete
11.	Stack	Not visible	Not visible	Complete
12.	Foundation for Rectifier House	Area cleared	No visible change	Foundation laid

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GROUP 1  
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25X1D

Cont'd.

AREA AND ANNO. NO.

ITEM

13.	Alumina Storage	Complete	No visible change	No visible change
14.	Pot Room under construction	Not visible	Foundation laid	Construction continues
15.	Probable Florida treatment units	Not visible	Not visible	Appears complete
16.	Foundation for Pot Room	Not visible	Area clear	Foundation laid

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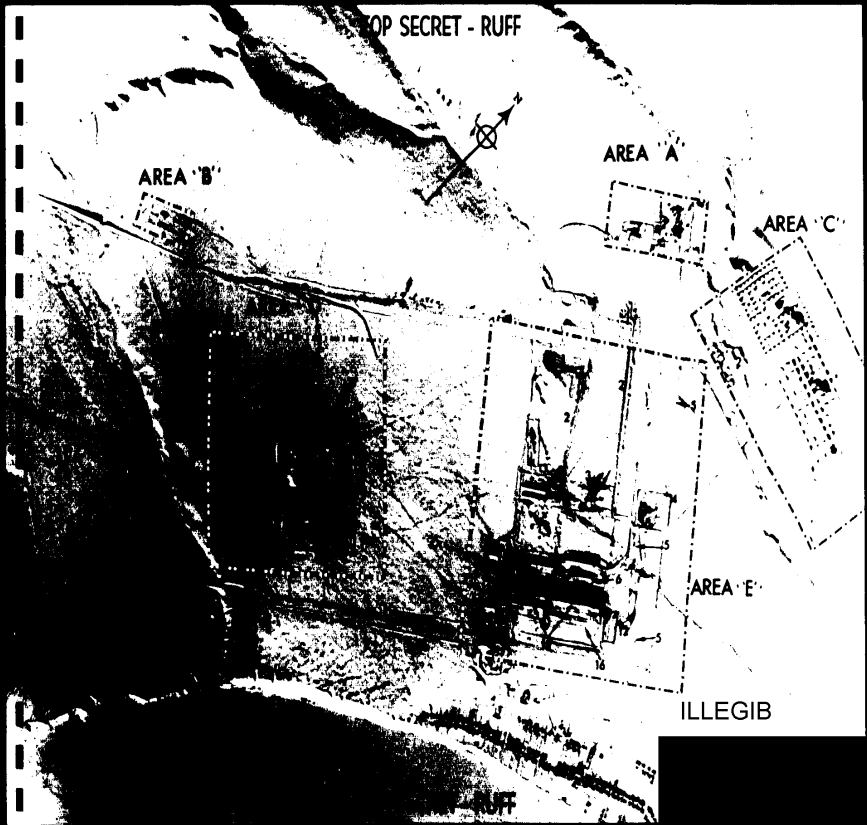
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KEY TO ANNOTATIONS

- AREA "A" - Unidentified Area
- AREA "B" - Power Sub-station
- AREA "C" - Plant Housing
1. Pipeline (water)
  2. Administration Buildings
- AREA "D" - Probable Alumina Plant
1. Probable Mud Washing Towers
  2. Boiler House
  3. Precipitation and Clarification Section
  4. Ore Storage Buildings
  5. Probable Calcination
- AREA "E" - Aluminum Plant
1. Excavation for a Building
  2. Trenches for Pipelines
  3. Steam Plant
  4. Transformer Yard
  5. Power Poles
  6. Probable Electrode Section
  7. Possible Cryolite Section
  8. Possible Carbon Rodding
  9. Unidentified Building
  10. Pot Room Building
  11. Stack
  12. Foundation for Rectifier House
  13. Alumina Storage
  14. Pot Room Under Construction
  15. Probable Floride Treatment Units
  16. Foundation for Pot Room

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