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28 DECEMBER 1965  
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PETROLEUM REFINERIES AND STORAGE  
BAN SI RACHA, THAILAND  
1307N 10055E

1. SIGNIFICANCE:

THIS BRIEFING BOARD SHOWS THE RECENTLY CONSTRUCTED OIL REFINERY AND THE ASPHALT REFINERY LOCATED AT BAN SI RACHA, WHICH HAVE APPRECIABLY REDUCED THE NEED FOR THE IMPORTING OF FINISHED PETROLEUM PRODUCTS INTO THAILAND.

2. REMARKS:

PRIOR TO 1964 THAILAND HAD ONLY ONE SMALL OIL REFINERY OPERATING AT MUANG FANG, WHICH WAS RATED AT 50,000 METRIC TONS PER YEAR. IN 1964 AND EARLY 1965 BOTH REFINERIES AT BAN SI RACHA WERE IN OPERATION WITH A COMBINED OUTPUT OF APPROXIMATELY 1,900,000 METRIC TONS. THE ANNUAL CONSUMPTION OF PETROLEUM PRODUCTS IN THAILAND IN 1963 WAS ESTIMATED AT 1,500,000 METRIC TONS; IN 1964 CONSUMPTION WAS ESTIMATED AT 2,100,000 METRIC TONS.

3. LOCATION:

THE OIL REFINERY IS LOCATED 3.1 NM SOUTH-SOUTHWEST OF BAN SI RACHA, AND THE ASPHALT REFINERY IS LOCATED 4.2 NM SOUTHWEST OF BAN SI RACHA. THE AREA OF THE TWO PLANTS IS LOCATED APPROXIMATELY 41 NM SOUTHEAST OF KRUNG THEP (BANGKOK).

4. COLLATERAL:

A. IN 1961 THE THAI OIL REFINERY CO. LTD. (TORC) (BAN SI RACHA OIL REFINERY AND STORAGE, [REDACTED] SIGNED A CONTRACT TO CONSTRUCT A

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40,000 BARREL PER DAY REFINERY TO PROCESS CRUDE PETROLEUM IMPORTS. SHELL OIL COMPANY THEN CONTRACTED TO MANAGE THE TORC REFINERY THROUGH 1974, AT WHICH TIME TORC WOULD BE NATIONALIZED. THE BULK OF CRUDE OIL IMPORTS WILL BE PROVIDED BY SHELL, WITH ESSO AND CALTEX PROVIDING SMALLER AMOUNTS.

FOUR 2,000 D.W.T. TANKERS OWNED BY THE THAI PETROLEUM TRANSPORT COMPANY AND SUPERVISED BY SHELL PERSONNEL ARE USED TO TRANSPORT FINISHED PRODUCTS FROM TORC TO KRUNG THEP. THE PORT FACILITIES AT BAN SI RACHA CAN ACCOMMODATE TANKERS UP TO 50,000 D.W.T.

THE BREAKDOWN OF TORC PRODUCTION FOR ONE YEAR IS AS FOLLOWS:

<u>PRODUCT</u>	<u>QUANTITY</u> (metric tons)	<u>PERCENTAGE</u> <u>OF OUTPUT</u>
LIQUID PETROLEUM GAS (LPG)	2,160	0.12
PREMIUM MOTOR GASOLINE	99,540	5.53
REGULAR MOTOR GASOLINE	414,000	23.00
KEROSENE/AVTUR	263,880	14.66
AVTAG	108,000	6.00
GAS OIL	583,920	32.44
DIESEL OIL	91,980	5.11
FUEL OIL	210,780	11.71
BITUMEN	25,740	1.43
TOTAL	1,800,000	100.00

B. THE THAI ASPHALT MANUFACTURING COMPANY (TAMC) (BAN SI RACHA REFINERY THAI ASPHALT MANUFACTURING PLANT,  IS JOINTLY OWNED BY THE SUMMIT INDUSTRIAL CORPORATION (UNITED STATES) AND THAI INTERESTS. THE REFINERY WAS PROBABLY IN OPERATION IN EARLY 1965. IT HAS AN ESTIMATED PRODUCTION CAPACITY OF 60,000 METRIC TONS OF BITUMEN, AND STORAGE FACILITIES FOR 57,100 METRIC TONS OF CRUDE OIL AND 71,400

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METRIC TONS OF FINISHED PRODUCTS. THE PLANT COULD PRODUCE PRODUCTS OTHER THAN ASPHALT BUT IS NOT KNOWN TO HAVE A LICENSE TO DO SO. THE TOTAL PLANT CAPACITY IS RATED AT 150,000 METRIC TONS.

5. MISSION READOUT:

PHOTOGRAPHY OF [REDACTED] REVEALS THE FOLLOWING: 25X1

THE TORC REFINERY CONTAINS TWO CATALYTIC CRACKING UNITS, FOUR POSSIBLE FRACTIONATING UNITS, ONE COOLING TOWER, ONE SPRAY POND, EIGHT LARGE FLOATING TOP STORAGE TANKS, SIX MEDIUM SIZE TANKS, FIFTEEN SMALLER TANKS OF VARIOUS SIZES, AND NUMEROUS SUPPORT BUILDINGS. JUST WEST OF THE REFINERY ARE LOCATED TWELVE SMALL BUILDINGS, ONE LARGE L-HEAD OIL BUNKERING PIER, AND ONE SMALL PIER.

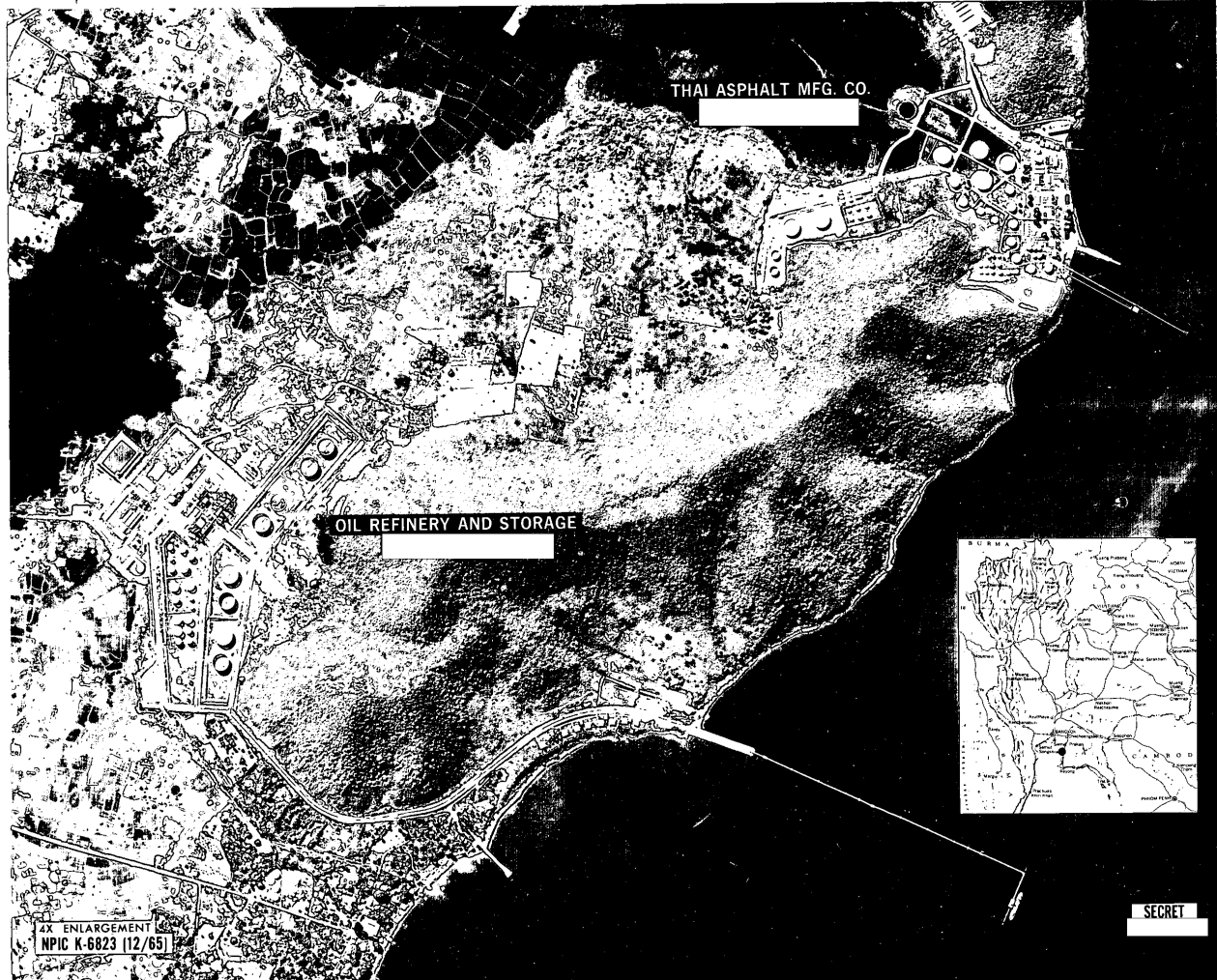
THE TAMC REFINERY CONTAINS FOUR FRACTIONATING UNITS, ONE SPRAY POND, FOUR LARGE FLOATING TOP TANKS, TWO LARGE PLAIN TANKS, ELEVEN MEDIUM SIZE TANKS (TWO OF WHICH ARE STILL UNDER CONSTRUCTION), FIFTY-FOUR SMALLER TANKS, EIGHT HORIZONTAL BLIMP TANKS, AND APPROXIMATELY FORTY SUPPORT BUILDINGS. DOCKING FACILITIES INCLUDE ONE LARGE AND ONE MEDIUM OIL BUNKERING PIER AND TWO SMALL PIERS.

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