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Attachment to Z-17170/82

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NPIC/IEG (12/82)

10 DECEMBER 1982

POSSIBLE OUT-OF-COUNTRY AM BROADCAST STATION
UNDER CONSTRUCTION
SAN FELIPE, CUBA

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1. (SWN) SIGNIFICANCE: A BROADCAST STATION, POSSIBLY FOR OUT-OF-COUNTRY BROADCASTS, IS UNDER CONSTRUCTION NEAR SAN FELIPE IN WESTERN CUBA.
2. (SWN) REMARKS: A NEW AM BROADCAST STATION, SAN FELIPE AM BROADCAST STATION, POSSIBLY FOR USE IN OUT-OF-COUNTRY BROADCASTS, WAS OBSERVED UNDER CONSTRUCTION NEAR SAN FELIPE IN WESTERN CUBA. THIS FACILITY DOES NOT RESEMBLE ANY OF THE NINE UPGRADED AM BROADCAST FACILITIES PREVIOUSLY IDENTIFIED IN CUBA.

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(SWN) THE SAN FELIPE BROADCAST STATION IS THE ONLY FACILITY TO UTILIZE COPHASED VERTICAL ANTENNA ARRAYS. THE TOWERS AT THE SAN FELIPE FACILITY ARE MORE SUBSTANTIALLY CONSTRUCTED AND THE CONTROL COMPLEX IS MUCH MORE EXTENSIVE THAN THOSE OBSERVED AT OTHER CUBAN BROADCAST FACILITIES.

(SWN) WHEN CURRENT CONSTRUCTION IS COMPLETED THIS BROADCAST FACILITY WILL CONSIST OF TWO COPHASED VERTICAL ANTENNA ARRAYS. EACH ANTENNA ARRAY WILL CONSIST OF FOUR VERTICAL RADIATORS IN A SQUARE CONFIGURATION WITH A GROUND PLANE UNDER THE ARRAY. CURRENTLY, ONE ANTENNA ARRAY HAS ALL FOUR VERTICAL RADIATORS ERECTED. THE SECOND ARRAY HAS TWO VERTICAL RADIATORS ERECTED AND BASES FOR THE REMAINING TWO RADIATORS ARE PRESENT. A LARGE CONTROL BUILDING, TWO SUPPORT BUILDINGS, AND A WATER TOWER WERE ALSO UNDER CONSTRUCTION.

(SWN) INITIAL CONSTRUCTION OF THIS FACILITY WAS OBSERVED. THE FIRST ANTENNA ARRAY WAS 75 PERCENT COMPLETE AND THE CONSTRUCTION OF THE SECOND ARRAY HAD NOT BEGUN.

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3. (S) COORDINATES 22-49-30N 082-17-45W

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WARNING NOTICE
 Intelligence Sources
 and Methods Involved

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