

# TRIP REPORT 009-86

## CIVIL ENGINEERING DIVISION VISIT

Prepared by: LT E.R. Ness

Station visited: Lorsta Kargaburun

Dates of visit: 19 November to 17 December 1986

Routing	Initials	Date
Originator	ERN	19 DEC 86
Copy to unit		
Asst E	D	12/2/86
E	NU	12/12
F		
DC	D	23 Jan
C	EW	12/29/86
Originator	ERN	31/12/86
E file	Tue Road	

Report DRC comments  
particularly on Rehab plan.

I'm not inclined to act  
on an item-by-item  
list of SSUR's

What This project represents  
is a last opportunity  
to create a living  
space that will meet  
the reasonable needs  
of a U.S.C.G. crew  
until 1996 without  
further major work.  
It must fully use what  
is already in place  
and be accomplished  
in a way that will  
provide adequate temporary  
lodging and eating  
arrangements.



1. Planned work items for the trip:

a. Conduct the annual tower inspection. Statiflux the tower base and do maintenance on the tower base during the scheduled off-air.

b. Prepare FAST sheets for the station to upgrade those prepared two years previous.

b. Conduct the facilities inspection part of the annual civil engineering inspection.

*To be sent out separately*

c. Present the rehab project with developed alternatives to the station. Evaluate the validity and need for the Station submitted rehab SSMRs. Modify the plans to incorporate recommendations made by the station. Prepare the data sheets for the required Structural request.

d. Collect project data for Z feed design at the tower base during the off-air.

2. Actual accomplishments/findings from the trip:

a. FAST sheets were prepared for all station structures, grounds and utility services. The scored sheets are attached as enclosure (1). The barracks discrepancies noted are to be addressed in the rehab project. The station's boat ramp and communication system are the two items in the worst condition.

b. The annual facilities inspection was done and the inspection checklist is attached as enclosure (2).

c. A tower training lecture was given to the entire crew. The lecture covered the tower structure, tower components, guy system, theory of operation, inspection procedures, mounting/climbing procedure and tower safety.

d. The tower was inspected as required by the CG Tower Manual and the inspection report is attached as enclosure (3). The enclosure attached is without the inspection photos which are being processed. Generally the tower is structurally sound but needs to be painted, a Z type feedline installed and additional turnbuckles put on most of the radials. The Z feed and painting are included in the present SSMR backlog.

e. Several station personnel (9) were qualified for tower climbing and their letters of qualification are attached as enclosure (4) for signature.

f. Enclosure (5) is Kargaburun's SSMR backlog listed in order of priority by the Station and an updating of some SSMR's status.

g. Information/input/data for the Station rehab project was gathered. The Station had good a good suggestion in using the support portion of the barracks (eg. bathroom, video room, exchange, etc.) to insulate the living quarters from the messdeck and noise centers. Existing site condition data was obtained as was Station input for various developed alternatives. Enclosure (6) is a summary evaluation of the submitted rehab SSMRs.

h. General dimensions for Z feed project obtained.





Lorsta Kargaburun SSMR Backlog  
(Listed in Priority)

SSMR No.

Project

1. 5170 Loran cable run.
2. 5061 Fuel oil tank cleaning (local contractor arranged by station).
3. 2037 Antenna Z feed.
4. 6050 Pump house and chlorinator (OG30, Station only needs a chlorine pump and outdoor storage cabinet for chlorine. Storage container already exists, Station can order chlorine pump.)
5. 5075 Transmitter building fire protection.
6. 4059 Station security.
7. 4025 \* Station paving.
8. 4060 \* Sidewalk and curbing repairs.
9. 4068 \* Boat ramp.
- \*—These projects should be combined and work completed under one contract.
10. 4064 Replace CO2 bottles.
11. 5026 Main gate.
12. 5069 Forklift.
13. 0003 Stowage area/building.
14. 6054 Galley stove (stove ordered in Nov. '86 by Station using OG30 funds. Item is less than \$2000).
15. 5028 Security upgrade.
16. 6012 FY87 tower inspection.
17. 5054A Paint Loran tower.
18. 5039 Replace voltage regulator.
19. 6046 Bury fuel oil tanks.
20. 6011 Replace vehicle DOT 17623.
21. 5036 Replace gensets.
22. 5058 Engineer room ceiling (ceiling sample needs to be tested for asbestos content).
23. 6051 Replace tractor, new tractor should be large enough to handle the weight and power demand of ditch brush cutter.
24. 5068 Transmitter building A/C. Station to cancel as intent was to cool work area for ETs but is impracticable because the frequent air changes.
25. 6053 Replace exterior door.
26. 5071 Storage cabinets.



Update of Various Lorsta Kargaburun SSMRs  
(15 December 1986)

A. 4137-Replace Carryall:

The Station questions the need for this SSMR as they presently have two good vehicles, the Dodge truck ('84) and the Mazda van ('87). Their allowance doesn't provide for three vehicles.

B. 5031-No. 2 Engine Overhaul:

Because of the early overhaul of number the 3 engine the work on the number 2 engine has been rescheduled to the 3rd Qtr. of FY87.

C. 5058-Replace Engine Room Ceiling:

The Station is concerned that the ceiling tiles contain asbestos and so have taken no action. A sample has been taken to be tested for asbestos content.

D. 5071-Storage Cabinets:

This refers to additional outdoor storage in the form of metal shipping container (CONEX) boxes. Apparently CONEX boxes are at a premium and can only be obtained for short term storage only through the government. Purchasing new boxes is very expensive, \$20-30K. Station desires a concrete, unheated storage area or possibly 3-40' tractor trailers as a substitute.

E. 5073-Tractor Tires:

This is listed as an OG30 project but CWO Jacobs has apparently already ordered replacement tires. The Station has taken no further action and they have not been received yet.

F. 6046-Bury Fuel Tanks:

The SSMR is being kept on file but the Station doesn't anticipate any real action on it, especially with the impending closing date of the Station.

G. 6048-Replace Heat Pump:

The heat pump has been received and is pending replacement. The new unit's supply and exhaust ducts do not match up with the existing duct ports in the building. New ducting has to be fabricated to connect the new unit to existing ducts and the Station is presently looking for a source of supply for ductwork. Since this new unit is larger in capacity than the old unit it is anticipated that the heating problem identified in SSMR \*\*\*\* will be resolved with this installation.

H. 6054-Replace Galley Stove:

The Station wanted to replace the existing stove with a Sears home type of commercial quality. The present stove is too heavy duty for their needs especially since the cooking load required of the stove is very small as compared to its design intent. The present stove has uneven temperatures inside the oven and takes a long time to come up to temperature and to cool down. The

Enclosure (5)

replacement stove is about \$700 and has been ordered under the supplemental funding guidelines given by Acteur (e).

#### I. 5061-Fuel Tank Cleaning:

During the summer the Station failed to receive some scheduled fuel deliveries so the fuel tank levels got very low. The fuel was found very dirty at these levels and created some fuel problems but the impurities settled out and were filtered out enough that cleaning of the fuel did not become necessary. The fuel can be cleaned by a local Turkish military fuel depot, with whom the Station has good relations, and the cleaning of the tanks can be done by Turkish contractors. The Turkish depot Commander is willing to help and supply names of vendors to the Station. The Station plans to pursue the matter and obtain a list of vendors with price quotes. It is recommended that the work be accomplished as an OG30 project. Technical assistance can be provided by the Turkish fuel depot Commander who speaks very good English.



Kargaburun Barracks Rehab Project  
(SSMR 6093)

1. Overall scope:

- a. Upgrade/rearrange/repair head facilities (5062).
- b. Install female head (5053/5156).
- c. Vestibule repairs, all entrances (9011).
- d. Retile messdeck (5055).
- e. Improve barracks rooms for better living environment (5053).
- f. Retile hallways (5053).
- g. Relocate fire alarm panel.
- h. Combine laundry facilities into one room.
- i. New ceiling tile throughout, maybe insulation (5064).
- j. Modify/improve barracks heating system (6049)-evaluate.
- k. Transient quarters problem-evaluate.
- l. Video/recreation room expansion (5065/5070)-evaluate.
- m. Safe haven bunker w/escape tunnel-evaluate.
- n. Relocate present electrical panels-evaluate.
- o. Galley improvements?

2. Provide an evaluation of all the SSMRs and add any items that may have been forgotten. Evaluations are hopefully to lead to a policy statement, in writing, as to just work we will and will not do in rehab work. Evaluations should also give reasons as to why not to do it, to delay it or to do it. Provide justification for all items.

Overall, although building expansion would be nice, the major problems existing can be resolved by rearranging the internal layout of the older portion of the barracks. The problem with the existing rooms is that they are long rectangles that, although have plenty of space, are inefficient for furniture layout and so waste space. This space is wasted to the detriment of the ancillary support areas; heads, showers, laundry room and video room. A restructuring of the internal partitions can alleviate and address most of the identified problems to make the building more liveable. It is important to note that the existing structure does not meet present day standards for new construction and could not do so without additional construction. The facilities do however meet the minimum standards but do need a facelift in general.

- a. Upgrade/rearrange/repair head facilities (5062).

Concur with this SSMR. The existing facilities are in poor condition. The piping, water and waste, ceramic tile, showers, sinks and toilets need to be replaced with new. All of these various components are constant maintenance items.

- b. Install female head (5053/5156).

With the possibility of females being assigned to the station a separate head is needed. With the extensive repairs needed to the existing bathroom facilities and a restructuring of

Enclosure (6)

I've given GNESS a fairly free hand to develop the project. What I seek are your strong yes or no on any item. Unless you'll receive a ray we'll proceed with full evaluation of the item. I'm not prepared to make any recommendations until GSN gets a little bit deeper. In general they are approved projects and only a few are controversial.

↑  
will wait  
for your  
eval.

Don't plan on  
expansion.

No question

Good



internal partitions a female bathroom can be easily accommodated.

c. Vestibule repairs, all entrances (9011).

The constant movement of the ground and porch pavements twist and deform the vestibule constantly. The cost of the constant maintenance exceed any energy conservation benefits derived from the vestibules. It is recommended that this SSMR be cancelled and that the vestibules be demolished once they are beyond repair.

*If they take maintenance I don't look good - remove*

d. Retile messdeck (5055).

The intent of this SSMR was to deal with the dropping/settling of the messdeck floor rather than just replace the tile itself. The largest drop from one side to the other was a bit over 6". There was no evidence of soil erosion outside the building so the settling can only attributed to the local tendency for the land to expand and contract. Elimination of the sloping floor would require removal of the existing floor slab and installation of a new one. All tiled areas except the showers and toilets are still in satisfactory condition. However if major partition shifting is done floor retiling will have to be done.

*If a level is needed - add a layer - not remove existing.*

e. Improve barracks rooms for better living environment (5053).

The complaint with rooms is that the long rectangular shape provides a lot of space but cannot be effectively used with the existing furniture. Restructuring of the internal partitions is the best solution to this dilemma along with furniture which provides more storage space and takes advantage of the rooms' high ceilings. Another complaint is the cracking of the walls caused by the shifting ground and creates drafts of outside air. The drafts can be better addressed by installing an exterior sheathing of insulation and wood. This flexible sheathing would be more flexible and resistant to cracking besides being easier to repair. Interior repairs of the rooms can be dealt with by an annual maintenance program of repairing/painting the room after each year's vacancy.

f. Retile hallways (5053).

The present tile is satisfactory and should only require replacement if major partition rearrangement damages or exposes damaged tiles.

g. Relocate fire alarm panel.

The present location is central, acceptable and need not be relocated. Relocation of course will be necessary if internal partitions around the showers are moved.

h. Combine laundry facilities into one room.

A very acceptable idea/recommendation. As a further space saver it is suggested that stackable washers and dryers be installed to reduce the floor area required but still provide enough washers and dryers for convenient access.



- i. New ceiling tile throughout, maybe insulation (5064).

A new suspended ceiling in the messdeck area is justified but is questionable in the berthing areas and not recommended for the hallways. The messdeck can easily accommodate a new ceiling and insulated tiles can help reduce the heating/cooling load as the existing roofs are not insulated. The hallways presently hold all the ducting for supply and return to the rooms.

*Be nice  
to cover  
ducts in  
hallway*

- j. Modify/improve barracks heating system (6049)-evaluate.

The present heating system is adequate for all areas except for seamen's berthing. The existing heat pump has not been operating properly for some time and once the newly received, larger capacity unit is installed that particular problem should be resolved. It is recommended that this SSMT be cancelled.

- k. Transient quarters problem-evaluate.

Better provisions are needed for transients. The area needed to provide some minimal area can only be obtained by restructuring of the internal partitions. The station does get by with its existing arrangements but is unable to handle a load of more than four people. Better arrangements should be made.

*Needs study  
4 seems reason-  
able # for  
accommodate*

- l. Video/recreation room expansion (5065/5070)-evaluate.

The need for a separate video room does exist and is recognized by design parameters for unaccompanied housing. Space for this function however can be obtained by a different and more efficient layout of the rooms in the older portion of the barracks. Creation of a new space by new construction to enlarge the floor space. Elimination of the CPO lounge area can help provide some of the extra space needed.

*concept of  
how envision  
will  
space  
time - either  
is a group  
or individuals.  
Loss of  
privilege for CPOs*

- m. Safe haven bunker w/ escape tunnel-evaluate.

The Station's need is for an area that can be safe from small caliber bullets should any shooting start. A protected area can be created by mounting steel plate on the walls of the commissary stores area or some other location. An excavated, bonifide bunker does not seem appropriate. The idea of an escape tunnel has similar problems. The tunnel would have to be at least several hundred feet in length, cross over, under or through utility systems and the main station road. Besides this there is also the cost of the construction versus use. Because of the constant ground movement tunnel construction would be especially expensive.

*Need security  
plan first.  
Agree -  
must agree  
w/ plan*

- n. Relocate present electrical panels-evaluate.

The wall area covered with various sized electrical panels and boxes is a personnel hazard because it reduces the width of the corridor between the older barracks and the newer petty officers wing. Moving the panels represents a task of enormous potential problems and difficulties. It would be actually easier to shift the opposite wall to make the passageway wider. With the apparent need to restructure the internal



partitions it is recommended that the electrical panels remain in their present location and the room partitions be altered to provide more space around the panel area.

o. Galley improvements?

None appear to be necessary beyond replacing the existing floor tile.

*Consider what was  
done at Sallie*