DATE: 2 JUNE 2014

LIQUID LOAD SURVEY REPORT

SHIP/CRAFT: RANGER **HULL NO.: CV- 61**

This report certifies that a liquid load survey has been accomplished on board the above named ship/craft with the following information pertaining:

1. Complete liquid load chart
2. Fuel Inventory (None on board)
3. Water Inventory (9 Tanks, 2 Voids)

Note: Tanks and voids were ballasted with fresh water from the pier.

Verified By:
W.E. Ellis
Q/A Inspection Manager

Approved By:
G.M. Musick III
Project Manager

LIQUID LOAD CHART

Vessel RANGER **Date** JULY 2005

#	Tank #	Time Sampled	Thru Sound Tube	Thru Tank Cover	Location	Depth inch/ft.	Contents	Comments
	8-0-0-W			X	01-5-1-Q		0	
	8-5-0-W			X	1-12-0-Q		0	
	8-12-0-F			X	1-12-0-Q		0	
	6-16-0-F		X	X	1-19-0-L	18'-3"	W	39,400
	8-19-0-F		X	X	1-19-0-L	17'-3"	W	35,750
	8-19-2-F		X	X	19-1-0-L	26'-10"	W	19,750
	8-19-1-F		X	X	19-1-0-L	28'-0"	W	20,500
	8-24-0-F		X	X	19-1-0-L	19'-4 ½"	W	48,000
	8-24-2-F			X	19-1-0-L		0	
	8-24-1-F			X	19-1-0-L		0	
	8-29-0-F			X	7-33-0-E		0	
	8-29-4-F		X	X	2-32-2-L	7'-1"	W	2,330
	8-29-2-F		X	X	2-29-3-L	10'-8 ½"	W	5,550
	8-29-1-F		X	X	2-29-3-L	3'-4"	W	1,290
	8-29-3-F			X	2-29-3-L		0	
	8-34-4-F			X	2-32-2-L		0	
	8-34-2-F			X	2-32-2-l		0	
	8-34-1-F			X	2-29-3-L		0	
	8-34-3-F			X	2-29-3-L		0	
	8-39-0-F			X	7-39-0-E		0	
	8-39-8-F			X	3-39-2-L		0	
	8-39-6-F			X	3-39-2-L		0	
	8-39-4-V			X	3-39-2-L		0	
	8-39-2-V			X	2-39-0-L		0	
	8-39-7-F			X	3-39-1-L		0	

*Amounts are estimated, no sounding chart tables available.
SOUNDINGS CONDUCTED BY: _____
SAMPLES TAKEN BY: _____

	TOTAL GALLONS
LUBE OIL	0
FUEL OIL	0
OIL/WATER	0
BALLAST WATER	226,620
FRESH WATER	0
JP5	0

LIQUID LOAD CHART

Vessel RANGER **Date** JULY 2005

#	Tank #	Time Sampled	Thru Sound Tube	Thru Tank Cover	Location	Depth inch/ft.	Contents	Comments
	8-39-5-F			X	3-39-1-L		0	
	8-39-3-V			X	3-39-2-L		0	
	8-39-1-V			X	2-39-0-L		0	
	8-44-8-F			X	3-39-2-L		0	
	8-44-6-F			X	3-39-2-L		0	
	8-44-4-V			X	3-39-2-L		0	
	7-44-2-V			X	3-39-2-L		0	
	8-44-7-F			X	3-39-1-L		0	
	8-44-5-F			X	3-39-1-L		0	
	8-44-3-V			X	3-39-1-L		0	
	8-44-1-V			X	2-39-0-L		0	
	8-49-0-J			X	7-39-0-E		0	
	8-49-8-H			X	2-54-2-L		0	
	8-49-6-H			X	2-52-2-L		0	
	8-49-4-V			X	2-52-2-L		0	
	8-49-2-V			X	3-49-0-L		0	
	8-49-7-H			X	3-49-1-L		0	
	8-49-5-H			X	3-49-1-L		0	
	8-49-3-V			X	3-49-1-L		0	
	8-49-1-V			X	2-49-0-L		0	
	8-54-2-J			X	3-59-1-L		0	
	8-54-1-J			X	3-59-1-L		0	
	8-54-10-J			X	3-59-4-L		0	
	8-54-8-H			X	2-54-2-L		0	
	8-54-6-V			X	3-59-4-L		0	
	8-54-4-V			X	3-49-6-A		0	
	8-54-9-J			X	3-49-1-L		0	
	8-54-7-J			X	3-49-1-L		0	
	8-54-5-V			X	3-49-1-L		0	
	8-54-3-V			X	2-49-0-L		0	
	8-59-10-V			X	3-59-4-L		0	
	8-59-8-H			X	3-59-4-L		0	
	8-59-6-H			X	3-59-4-L		0	
	8-59-4-V			X	3-59-4-L		0	
	8-59-2-V			X	3-59-1-L		0	
	8-59-7-H			X	3-59-3-L		0	
	8-59-5-H			X	3-59-3-L		0	

	8-59-3-V			X	3-59-3-L		0	
	8-59-1-V			X	2-59-0-L		0	
	8-64-2-J			X	4-68-0-H		0	
	8-64-1-J			X	4-68-0-H		0	
	8-64-12-V			X	3-59-4-L		0	
	8-64-10-H			X	3-49-4-L		0	
	8-64-8-H			X	2-62-2-L		0	
	8-64-6-V			X	2-62-2-L		0	
	8-64-4-V			X	2-59-0-L		0	
	8-64-11-V			X	2-59-0-L		0	
	8-64-9-H			X	3-59-3-L		0	
	8-64-7-H			X	3-59-3-L		0	
	8-64-5-V			X	3-59-3-L		0	
	8-64-3-V			X	3-59-3-L		0	
	8-65-2-V			X	3-69-4-L		0	
	8-65-1-V			X	3-59-3-L		0	
	8-69-10-V			X	3-69-4-L		0	
	8-69-8-H			X	3-69-4-L		0	
	8-69-6-H			X	3-69-4-L		0	
	8-69-4-V			X	3-69-4-L		0	
	8-69-2-V			X	2-69-4-L		0	
	8-69-9-V			X	3-69-7-L		0	
	8-69-7-H			X	3-69-7-L		0	
	8-69-5-H			X	3-69-7-L		0	
	8-69-3-V			X	3-69-7-L		0	
	8-69-1-V			X	3-69-0-L		0	
	8-74-10-V			X	3-69-4-L		0	
	8-74-8-H			X	3-69-4-L		0	
	8-74-6-H			X	3-69-4-L		0	
	8-74-4-V			X	3-69-4-L		0	
	8-74-2-V			X	3-69-0-L		0	
	8-74-9-V			X	3-69-7-L		0	
	8-74-7-H			X	3-69-7-L		0	
	8-74-5-H			X	3-69-7-L		0	
	8-74-3-V			X	3-69-7-L		0	
	8-74-1-V			X	2-69-0-L		0	
	8-78-0-J			X	3-69-0-L		0	
	8-79-2-F			X	7-79-0-E		0	
	8-79-1-F			X	7-79-0-E		0	
	8-79-14-V			X	3-84-4-Q		0	
	8-79-12-H			X	3-84-4-Q		0	
	8-79-10-H			X	3-84-4-Q		0	

	8-79-8-V			X	3-84-4-Q		0	
	8-79-6-V			X	3-79-2-L		0	
	8-79-11-V			X	4-79-9-A		0	
	8-79-9-H			X	3-79-5-Q		0	
	8-79-7-H			X	3-79-5-Q		0	
	8-79-5-V			X	3-79-3-L		0	
	8-79-3-V			X	3-79-0-L		0	
	8-84-2-F			X	7-79-0-E		0	
	8-84-1-F			X	7-79-0-E		0	
	8-84-12-V			X	3-84-4-Q		0	
	8-84-10-H			X	3-84-4-Q		0	
	8-84-8-J			X	3-84-4-Q		0	
	8-84-6-V			X	3-84-4-Q		0	
	8-84-4-V			X	3-83-2-L		0	
	8-84-11-V			X	4-79-7-A		0	
	8-84-9-H			X	3-79-5-Q		0	
	8-84-5-V			X	3-79-5-Q		0	
	8-84-3-V			X	3-84-4-Q		0	
	8-84-3-V			X	3-79-0-L		0	
	8-87-2-F			X	7-79-0-E		0	
	8-87-1-F			X	7-79-0-E		0	
	8-87-12-V			X	3-84-4-Q		0	
	8-87-10-H			X	3-84-4-Q		0	
	8-87-8-J			X	3-84-4-Q		0	
	8-87-6-V			X	3-84-4-Q		0	
	8-87-4-V			X	3-87-0-L		0	
	8-87-11-V			X	3-92-1-Q		0	
	8-87-9-H			X	3-93-1-Q		0	
	8-87-7-J			X	3-92-1-Q		0	
	8-87-5-V			X	3-92-1-Q		0	
	8-87-3-V			X	3-87-0-L		0	
	8-92-2-F			X	2-87-0-L		0	
	8-92-1-F			X	2-91-0-L		0	
	8-92-12-V			X	3-84-4-Q		0	
	8-92-10-F			X	3-84-4-Q		0	
	8-92-8-F			X	3-84-4-Q		0	
	8-92-6-V			X	3-84-4-Q		0	
	8-92-4-V			X	3-87-0-L		0	
	8-92-11-V			X	3-92-1-Q		0	
	8-92-9-F			X	3-92-1-Q		0	
	8-92-7-F			X	3-92-1-Q		0	
	8-92-5-V			X	3-87-0-Q		0	

	8-92-2-W			X	7-97-0-E		0	
	8-97-4-W			X	7-97-0-E		0	
	8-97-16-V			X	3-84-4-Q		0	
	8-97-14-F			X	3-84-4-Q		0	
	8-97-12-F			X	3-84-4-Q		0	
	8-97-10-V			X	3-84-4-Q		0	
	8-97-8-V			X	7-97-0-E		0	
	8-97-6-V			X	7-97-0-E		0	
	8-97-15-V			X	3-92-1-Q		0	
	8-97-13-F			X	3-92-1-Q		0	
	8-97-11-F			X	3-92-1-Q		0	
	8-97-9-V			X	3-92-1-Q		0	
	8-97-7-V			X	3-92-1-Q		0	
	8-97-5-V			X	7-97-0-E		0	
	8-102-2-W			X	7-97-0-E		0	
	8-102-4-W			X	7-97-0-E		0	
	8-102-16-V			X	3-84-4-Q		0	
	8-102-14-F			X	3-84-4-Q		0	
	8-102-12-F			X	3-84-4-Q		0	
	8-102-10-V			X	3-84-4-Q		0	
	8-102-8-V			X	7-97-0-E		0	
	8-102-6-V			X	7-97-0-E		0	
	8-102-15-V			X	3-92-1-Q		0	
	8-102-13-F			X	3-92-1-Q		0	
	8-102-11-F			X	3-92-1-Q		0	
	8-102-9-V			X	3-92-1-Q		0	
	8-102-7-V			X	3-92-1-Q		0	
	8-102-5-V			X	7-97-0-E		0	
	8-106-2-W			X	7-106-0-E		0	
	8-106-4-W			X	7-106-0-E		0	
	8-106-16-V			X	3-109-6-L		0	
	8-106-14-F			X	3-109-6-L		0	
	8-106-12-F			X	3-109-6-L		0	
	8-106-10-V			X	3-109-6-L		0	
	8-106-8-V			X	3-106-6-L		0	
	8-106-6-V			X	7-106-0-E		0	
	8-106-15-V			X	3-92-1-Q		0	
	8-106-13-F			X	3-92-1-Q		0	
	8-106-11-F			X	3-92-1-Q		0	
	8-106-9-V			X	3-92-1-Q		0	
	8-106-7-V			X	3-106-7-L		0	
	8-106-5-V			X	7-106-0-E		0	

	8-110-2-W			X	7-106-0-E		0	
	8-110-4-W			X	7-106-0-E		0	
	8-110-6-V			X	7-106-0-E		0	
	8-110-1-W			X	7-106-0-E		0	
	8-110-3-W			X	7-106-0-E		0	
	8-110-5-V			X	7-106-0-E		0	
	8-111-10-F			X	3-109-6-L		0	
	8-111-8-F			X	3-109-6-L		0	
	8-111-6-F			X	3-109-6-L		0	
	8-111-4-V			X	3-106-6-L		0	
	8-111-2-V			X	3-106-6-L		0	
	8-111-9-V			X	3-92-1-Q		0	
	8-111-7-F			X	3-92-1-Q		0	
	8-111-5-F			X	3-92-1-Q		0	
	8-111-3-V			X	3-92-1-Q		0	
	8-111-1-V			X	3-110-1-L		0	
	8-114-16-V			X	3-109-6-L		0	
	8-114-14-F			X	3-109-6-L		0	
	8-114-12-F			X	3-109-6-L		0	
	8-114-10-V			X	2-114-4-L		0	
	8-114-8-V			X	3-106-6-L		0	
	8-114-6-V			X	7-106-0-E		0	
	8-114-4-W			X	7-106-0-E		0	
	8-114-2-W			X	7-106-0-E		0	
	8-114-15-V			X	4-106-1-Q		0	
	8-114-13-F			X	2-119-5-L		0	
	8-114-11-F			X	2-119-5-L		0	
	8-114-9-V			X	3-92-1-Q		0	
	8-114-7-V			X	3-109-6-L		0	
	8-114-5-V			X	7-106-0-E		0	
	8-119-16-V			X	3-119-8-A		0	
	8-119-14-F			X	2-120-6-L		0	
	8-119-12-F			X	2-120-6-L		0	
	8-119-10-V			X	2-120-6-L		0	
	8-119-8-V			X	3-119-8-A		0	
	8-119-6-V			X	7-119-0-E		0	
	8-119-15-V			X	2-123-1-L		0	
	8-119-13-F			X	2-123-1-L		0	
	8-119-11-F			X	2-123-1-L		0	
	8-119-9-V			X	2-123-1-L		0	
	8-119-7-V			X	2-122-5-L		0	
	8-119-5-V			X	7-119-0-E		0	
	8-119-3-W			X	7-119-0-E		0	

	8-119-1-W			X	7-119-0-E		0	
	8-123-6-V			X	7-119-0-E		0	
	8-123-4-W			X	7-119-0-E		0	
	8-123-2-W			X	7-119-0-E		0	
	8-123-5-V			X	7-119-0-E		0	
	8-123-3-W			X	7-119-0-E		0	
	8-123-1-W			X	7-119-0-E		0	
	8-124-10-V			X	2-123-2-L		0	
	8-124-8-F			X	2-123-2-L		0	
	8-124-6-F			X	2-123-2-L		0	
	8-124-2-V			X	2-123-2-L		0	
	8-124-2-V			X	3-119-6-Q		0	
	8-124-9-F			X	2-123-2-L		0	
	8-124-7-F			X	2-123-1-L		0	
	8-124-5-F			X	2-123-1-L		0	
	8-124-3-V			X	2-123-1-L		0	
	8-124-1-V			X	3-119-1-Q		0	
	8-127-2-W			X	7-119-0-E		0	
	8-127-4-F			X	7-119-0-E		0	
	8-127-6-V			X	3-130-1-Q		0	
	8-127-8-V			X	2-128-2-L		0	
	8-127-10-F			X	2-128-2-L		0	
	8-127-12-F			X	2-128-2-L		0	
	8-127-14-V			X	2-128-2-L		0	
	8-127-1-W			X	7-119-0-E		0	
	8-127-3-F			X	2-123-1-L		0	
	8-127-5-V			X	2-222-5-L		0	
	8-127-7-V			X	2-123-1-L		0	
	8-127-9-F			X	2-123-1-L		0	
	8-127-13-V		X	X	2-123-1-L	29'-10"	W	18,250
	8-132-2-F			X	7-132-0-E		0	
	8-132-4-F			X	7-132-0-E		0	
	8-132-6-V			X	3-132-8-L		0	
	8-132-8-V			X	3-135-4-L		0	
	8-132-10-F			X	3-135-4-L		0	
	8-132-12-F			X	2-132-12-L		0	
	8-132-14-F			X	2-132-12-L		0	
	8-132-3-F			X	7-132-0-E		0	
	8-132-3-F			X	7-132-0-E		0	
	8-132-5-V			X	4-141-0-Q		0	
	8-132-7-V			X	2-137-7-L		0	
	8-132-9-F			X	2-137-5-L		0	
	8-132-11-F			X	2-137-7-L		0	

	8-132-13-V			X	2-137-7-L		0	
	8-137-2-W			X	7-132-0-E		0	
	8-137-4-F			X	7-132-0-E		0	
	8-137-6-W			X	3-137-10-L		0	
	8-137-8-W			X	2-137-6-L		0	
	8-137-10-F			X	2-137-6-L		0	
	8-137-12-F			X	2-137-6-L		0	
	8-137-14-V			X	2-137-6-L		0	
	8-137-1-W			X	7-132-0-E		0	
	8-137-3-F			X	7-132-0-E		0	
	8-137-5-W			X	2-137-7-L		0	
	8-137-7-W			X	2-137-7-L		0	
	8-137-9-F			X	2-137-7-L		0	
	8-137-11-F			X	2-137-5-L		0	
	8-137-13-W			X	2-137-7-L		0	
	8-141-2-W			X	7-141-0-E		0	
	8-141-4-F			X	3-141-8-L		0	
	8-141-6-V			X	3-141-8-L		0	
	8-141-8-V			X	2-143-4-L		0	
	8-141-10-F			X	2-143-4-L		0	
	8-141-12-F			X	2-143-4-L		0	
	8-141-14-V			X	2-146-6-Q		0	
	8-145-2-W			X	7-141-0-E		0	
	8-145-4-W			X	7-141-0-E		0	
	8-145-6-V			X	7-141-0-E		0	
	8-145-1-W			X	7-141-0-E		0	
	8-145-3-W			X	7-141-0-E		0	
	8-145-5-V			X	7-141-0-E		0	
	8-146-2-V			X	2-143-4-L		0	
	8-146-4-V			X	2-143-4-L		0	
	8-146-6-F			X	2-143-4-L		0	
	8-146-8-F			X	2-143-4-L		0	
	8-146-10-F			X	2-146-6-Q		0	
	8-146-1-V			X	2-146-3-Q		0	
	8-146-3-V			X	3-146-3-Q		0	
	8-146-5-F			X	3-146-3-Q		0	
	8-146-7-F			X	3-146-3-Q		0	
	8-146-9-V			X	3-146-3-Q		0	
	8-149-2-W			X	7-141-0-E		0	
	8-146-4-W			X	7-141-0-E		0	
	8-149-6-V			X	3-141-10-E		0	
	8-149-8-V			X	3-141-10-E		0	
	8-149-10-V			X	2-143-4-L		0	
	8-149-12-F			X	2-154-6-L		0	

	8-149-14-F			X	2-143-4-L		0	
	8-149-16-V			X	2-154-6-L		0	
	8-149-1-W			X	7-141-0-E		0	
	8-149-3-W			X	7-141-0-E		0	
	8-149-5-V			X	7-141-0-E		0	
	8-149-7-V			X	3-146-3-Q		0	
	8-149-9-V			X	3-146-3-Q		0	
	8-149-11-F			X	3-146-3-Q		0	
	8-149-13-F			X	3-146-3-Q		0	
	8-149-15-V			X	3-146-3-Q		0	
	8-154-2-W			X	7-154-0-E		0	
	8-154-4-W			X	7-154-0-E		0	
	8-154-6-V			X	7-154-0-E		0	
	6-154-8-V			X	2-158-4-Q		0	
	8-154-10-V			X	2-158-6-L		0	
	8-154-12-F			X	2-154-6-L		0	
	8-154-14-F			X	2-154-6-L		0	
	8-154-16-V			X	2-154-6-L		0	
	8-154-1-W			X	3-146-3-Q		0	
	8-154-3-W			X	3-146-3-Q		0	
	8-154-5-V			X	7-154-0-E		0	
	6-154-7-V			X	3-163-1-Q		0	
	8-154-9-V			X	3-146-3-Q		0	
	8-154-11-F			X	3-146-3-Q		0	
	8-154-13-F			X	3-146-3-Q		0	
	8-154-15-V			X	3-146-3-Q		0	
	8-158-2-W			X	7-154-0-E		0	
	8-158-4-W			X	7-154-0-E		0	
	8-158-6-V			X	7-154-0-E		0	
	8-158-1-W			X	7-154-0-E		0	
	8-158-3-W			X	7-154-0-E		0	
	8-158-5-V			X	7-154-0-E		0	
	8-159-2-V			X	2-158-6-L		0	
	8-159-4-V			X	2-158-6-L		0	
	8-159-6-F			X	2-158-6-L		0	
	8-159-8-F			X	2-158-6-L		0	
	8-159-10-V			X	2-158-8-Q		0	
	8-159-1-V			X	3-146-3-Q		0	
	8-159-3-V			X	3-146-3-Q		0	
	8-159-5-F			X	3-146-3-Q		0	
	8-159-7-F			X	3-146-3-Q		0	
	8-159-9-F			X	3-146-3-Q		0	
	8-162-2-W			X	7-154-0-E		0	
	8-162-4-F			X	7-154-0-E		0	

	8-162-6-V			X	2-158-4-Q		0	
	8-162-8-V			X	2-162-2-Q		0	
	8-162-10-F			X	2-162-2-Q		0	
	8-162-12-F			X	2-162-2-Q		0	
	8-162-14-V			X	2-162-2-Q		0	
	8-162-1-W			X	7-154-0-E		0	
	8-162-3-F			X	7-154-0-E		0	
	8-162-5-V			X	3-162-1-Q		0	
	8-162-7-V			X	3-146-3-Q		0	
	8-162-9-F			X	3-146-3-Q		0	
	8-162-11-F			X	3-146-3-Q		0	
	8-162-13-V			X	3-146-3-Q		0	
	8-167-0-J			X	2-167-1-L		0	
	8-167-2-F			X	7-167-2-E		0	
	8-167-4-F			X	7-167-4-E		0	
	8-167-6-V			X	3-167-8-L		0	
	8-167-8-V			X	2-167-8-Q		0	
	8-167-10-F			X	2-167-8-Q		0	
	8-167-12-F			X	2-167-8-Q		0	
	8-167-14-V			X	2-167-8-Q		0	
	8-167-1-F			X	7-167-1-E		0	
	8-167-3-F			X	7-167-3-E		0	
	8-167-5-V			X	2-167-1-L		0	
	8-167-7-V			X	3-146-3-Q		0	
	8-167-9-F			X	3-146-3-Q		0	
	8-167-11-F			X	3-146-3-Q		0	
	8-167-13-V			X	3-146-3-Q		0	
	8-169-2-J			X	3-175-0-L		0	
	8-169-1-J			X	3-175-0-L		0	
	8-171-2-F			X	7-167-2-E		0	
	8-171-4-F			X	7-167-4-E		0	
	8-171-6-V			X	3-167-8-L		0	
	8-171-8-V			X	3-167-8-L		0	
	8-171-10-F			X	2-170-2-L		0	
	8-171-12-F			X	2-170-2-L		0	
	8-171-14-V			X	2-167-8-Q		0	
	8-141-1-F			X	7-167-1-E		0	
	8-171-3-F			X	7-167-3-E		0	
	8-171-5-V			X	2-167-1-L		0	
	8-171-7-V			X	2-167-1-L		0	
	8-171-9-F			X	3-146-3-Q		0	
	8-171-11-F			X	3-146-3-Q		0	
	8-171-13-V			X	3-146-3-Q		0	
	8-175-2-J		X	X	3-175-0-L	9'-4"	W	30,800