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405988

WORK AUTHORIZATION Contract AT-(29-2)-20 Job No. 942 CONSTRUCTION/~~MAINTENANCE SERVICES~~	*Pacific Southwest Region* U.S. ATOMIC ENERGY COMMISSION PACIFIC PROVING GROUND	5468 Serial Number 19600 H&N WORK ORDER NO. Job Folder No. 3659

TITLE REHABILITATION OF RAD-SAFE STATION

H & N IDENTIFICATION NO. 19600 LOCATION OTHO

DATE ISSUED 11-5-57 DATE REQUIRED ASAP PRIORITY NORMAL

REQUESTED BY _____ TASK GROUP _____ PROJECT _____

COST CODE (H&N) _____ ACTION BY _____

APPLICABLE DRAWINGS Per attached list.

1601.2

DETAIL OF WORK TO BE PERFORMED

Furnish labor and material to rehabilitate and/or reconstruct Bldgs. and facilities for Rad-Safe Station, Site Wotho, in accordance with the above ref. dwgs.

BEST COPY AVAILABLE

Applicable Sub-Accounts:

010	Site Prep	MH	410	Millwork	MH	820	Comm Util.	LF-MH
020	Demolition	MH	420	Finish Hdwe.	Sets	900	Cleanup	MH
030	Earthwork & Grd.	CY-SY	440	Plbg. & Fixtures	LF-EA			
050	Forms	SF	545	Process Equip.	PC			
070	Reinf.	LB	560	Process Piping	LF			
100	Concrete	CY	600	Elect. Outlets	EA-LF			
110	Conc. Finish	SF		Mtr. Com. Fixt.	EA			
140	Carpentry	BF		Equipment	EA			
210	Ro. Hdwe.	LB	630	Painting	SF			
220	Mtl. Sidg. & Roof	SF	640	Spec. Equip.	EA			
240	Sheet Metal	LF	710	Elect. Distr.	LF			
280	Insulation	SF	760	Water Utility	LF			
370	Wall & Clg. Coverg.	SF	790	Sewer Utility	LF			

APPROVED _____ ENGINEER
DATE 11/6/57

All labor, material, installed equipment, equipment usage, concrete, and aggregate used in the performance of this work must be reported under this Work Order Number, with the description of the work performed in accordance with pages 3 and 14 thru 19 of the Holmes & Narver Foreman's Handbook.

Task Group Approval	A.E.C. Authorization	Holmes & Narver Approval
Date	TBE/EM/H5653 Date 10-7-57	Date 11-6

RESIDENT MANAGER

DISTRIBUTION:

Engineering Division	(4)	Project Manager - H.O.	(1)
Construction Division	(30)	Project Controller - H.O.	(1)
Service Operations Division	(3)	J/S Survey	(1)
Supply Division	(4)	J/S Estimating	(2)
Accounting Division	(8)	JS Engr. Design	(1)
Chronological	(1)	JS Reporter	(1)
AEC Resident Engineer	(5)	JS Inspection - ELMER	(1)
User	( )	JS Test Lab - ELMER	(3)
Project Engineer - H.O.	(1)	JS Property Section	(1)
Special Services	(1)	JS Safety Engineer	(1)
Communications	2		

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TITLE REHABILITATION OF RAD-SAFE STATION - SITE WOTHO

PAGE NO. 2 Serial No. 5468 NAN WORK ORDER NO. 19600

APPLICABLE DRAWINGS:

J/S 50-002-C2
9 A1
080-E2
1-A2
5-A1
5-E1
8-E1
8-M1
5-M1
6-A1
J/S TYP-035-A2, Rev. B
038-A8
038-S1
J/S TYP 038-S3
S5
J/S TYP 087-S1, Rev. A
041-S2
028-A4
063-S1
TYP 099-E2, Rev. 1
E1, Rev. 3
TYP 089-M1
067-M1
067-M2
FS 1900
J/S TYP 038-M7

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[illegible] Harvey, Inc.			RO/ID: 19600
[illegible] Malstrom	Site: Wotho		Date: 12-20-57

Personnel	Departure	Arrival	Location	Comments

Personnel				
Supervisory/Operating		Number	Occupation/Comments	
Carpenter		5	[illegible] 1-Spot, 1-Carpenter, 4-Helpers	
Steel Erector		1	1-Foreman	
Heavy Equipment		4	1-Bulldozer, 1-Scraper, 1-All Truck	
Utility		3	1-Utility Worker, 1-Cook	
Survey		3	1-Surveyor, 1-Level Man, 1-Rod Man	
Welder		1	1-Welder	
Electrical		3	2-Electricians - Power & Distribution	
Plumbing		3	1-Plumber, 2-Steamfitters	

Equipment	Quantity	Type Equipment	Quantity
Water Trailer			
Concrete Mixer	9	Wheel Loader	1
Compressor		Motor Grader (Cat)	1
Hand Tools			
Tank Truck		Water Truck	1
Asphalt Tank			
Concrete Plant			
Generator			
Generator			
Other Tools			

Material	Quantity	Type Material	Quantity
Type Material			
1-6", 2-4", 2-3", 2-1"		Steel Trusses, Steel Purlins	
1-6", 4-4", 4-3", 1-1"		Steel Girders, Steel Stringers	
4-10"		Plumbing, Pipe, Valves, Fittings	
Aluminum Sheets, Roofing	1275 SQ	Cement	250 Bags
90' Antenna Poles	2		

Construct. Phases	Construction Phase	Start	Compl.	Construction Phase	Start	Compl.
	One	12-2-57				

AIR SUPPORT	Type Aircraft	Arrival	Depart.	Passengers/Cargo
	UF-1	12-3-57		H. Kohl, D. Winchester, Mail
	UF-1		12-3-57	" " " " ., Aki (Plumber)
	UF-1	12-9-57		Tent Flies, Screening, Plumb. Supplies, Mail
	UF-1		12-9-57	Mail
	UF-1	12-13-57		2-TT Constables, Mr. M. Neas (Distad)
	UF-1		12-13-57	Tom Baldwin

NOTES

Off-loading of men, material and equipment at site Elmer completed 12-16-57. Minor work remains to be done at Wotho: Furnish and install tent fly on one tent, screening on five tents; acid pump at P&D bldg. to be connected.

Holmes & Narver, Inc.	OPERATOR PROJECT COMPLETION REPORT	Job: [illegible]	WO/ID: 19600
Inspector: H. Malstrom	Site: Mothe	Date: 12-20-57	

Pacific Southwest Region

No.	Building/Facility	Type Construction	Start	Complete
1	Day Room	Existing Slab, Wood Frame & Tent	12-10-57	12-12-57
2	Quarters Tent	" " "	12-9-57	12-12-57
3	"	" " "	12-9-57	12-12-57
4	"	" " "	12-8-57	12-12-57
5	Mess Hall	New Slab, Wood Frame & Tent	12-3-57	12-12-57
6	Reefer Tent	" " "	12-8-57	12-12-57
7	Rad-Safe	" " "	12-8-57	12-12-57
8	Power & Distillation	Existing Slab, Wood Frame, Alum. Roof Walls	12-2-57	12-13-57
9	Pit Latrine	Wood Floor, Frame, Walls, Alum. Roof	12-4-57	12-4-57
10	Field Shower	New Slab, Alum. Roof, Wood Frame, Wall	12-4-57	12-11-57
11	Pump House	New Slab, Wood Frame, Walls, Roof	12-3-57	12-11-57
12	Water Tower	Wood Frame, Navy Cube and [illegible] Tank	12-3-57	12-5-57

Notes & Comments:

No fly for reefers.

No fly screen for tents #1, [illegible], 6, and 7.

Major Equipment Installed	Equip. No.	Quantity	Location	Start	Complete
19.5 CU Ft. Deep [illegible]	DOD [illegible]	1	Reefer Tent	12-8-57	12-11-57
30 CU Ft Reefer	DOD [illegible]	1	"	"	"
12 CU Ft. Reefer	DOD [illegible]	1	"	"	"
Electric Field [illegible]	[illegible]	1	Mess Hall	12-[illegible]-57	12-12-57
" "	[illegible]	1	"	"	"
Ice Cube Machine	[illegible]	1	"	"	"
Double Sink Unit					

Notes & Comments:

Holmes & Narver, Inc.	OFF-ATOLL PROJECT COMPLETION REPORT	Job:	WO/ID:
Inspector:	Site: Pacific Southwest Region	Date:	

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CONSTRUCTION HISTORY:

Project Completion Date:

COORDINATION with [illegible]

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COMPLETION REPORT OF QUANTITIES | HOLMES & NARVER, INC. Engineers - Constructors Pacific Southwest Region | SITE: WOTHO | DATE: 11-29-57

I.D. NO.: 19600 | FACILITY: RAD SAFE STATION

DATE COMPLETED: | MADE BY: | APPROVED:

S/N	DESCRIPTION	EST. QUANTITY	UNIT	WTD %	ACT. QUANT.	EST. % COMPLETE							
						12-6							
020	DEMOLITION	4	EA	2.2		2.0							
021	MACH. EXCAVATE	120	CY	0.2		0.3							
022	HAND	[illegible]	CY	1.2		1.0							
024	FILL & BACKFILL	125	CY	0.2		0.6							
035	FINE GRADE (BLDGS.)	2310	SF	0.2									
039	DISPOSAL	27	CY	0.1									
040	PILING (NAVY CUBE)	5	EA	1.2		1.0							
050	FORMWORK	575	SF	1.2		1.0							
070	REBAR	940	LB	0.2		0.6							
100	CONCRETE												
	TOWER FOOTING	8	CY	1.2		1.0							
	BLDG. SLAB	31	CY										
110	CONCRETE FINISH	2215	SF	0.2		0.7							
140	CARPENTRY												
	WATER TOWER	4000	BF										
	TENT FRAME (BLDG.)	4000	BF										
	PIT LATRINE	300	BF										
	TENT FRAME (BMW)	720	BF	1.0		2.1							
	FIELD SHOWER	380	BF										
	POWER & DISTRIBUTION	2035	BF										
	ACID PIT	320	BF										
	PUMP HOUSE	200	BF										
145	PIER FRAMING	2825	BF	3.4									
146	" DECKING	1440	BF	1.0									
148	LOGS SM. CRAFT DOCK	10	EA	1.0									
210	ROUGH HARDWARE	1287	LB	—									
220	MISC. METAL WORK												
	WATER TOWER	1275	LB										
	SM. CRAFT DOCK	1680	LB										
	FLANGED SLEEVE	16	EA	4.2		2.0							
	CHAIN (FENDER LOG)	100	LF										
	CABLE (DOCK ANCHOR)	560	LF										
223	MTL. SIDING (P&D. BLDG)	480	SF	0.3									
					TOTALS	19.4							

1 F-26a

NOTE: EXPLAIN MARKED VARIANCES BETWEEN ESTIMATED AND ACTUAL QUANTITIES.

COMPLETION REPORT OF QUANTITIES — Reproduced from the Records of the National Archives — Engineers Contractor Series

SITE: ALASKA HO

DATE: 11-29-57

J.P.J.

L.D. NO.: 19600

FACILITY: RAD SAFE STATION

DATE COMPLETED:

MADE BY:

APPROVED:

B/A	DESCRIPTION	EST. QUANTITY	UNIT	WTD %	ACT. QUANT.	EST. % COMPLETE AT REPORTING DATE						
225	MTL. ROOFING											
	PIT PAVING	50	CF									
	FIELD HOUSE	145	SF	0								
	PUMP HOUSE	108	SF									
240	SHEET MTL. WORK	27	MH	0								
350	ROOFING PUMP HOUSE	100	SF	0		0.3						
370	WALL COVERING											
	PUMP HOUSE	200	CF									
	PIT LATRINE	110	SF	0		0.3						
	FIELD HOUSE	210	SF									
	ASBESTOS TILE	130	SF									
390	FLR. COVERING	50	SF	0		0.1						
410	MILLWORK	429	MH	8		2.0						
420	FINISH HARDWARE	1	LOT									
440	PLUMBING	225	LF	2		1.3						
443	" FIXTURE	3	EA	0								
447	" DRAIN	2	EA	0								
545	PROCESS PLANT EQMT.	15	EA	15		7.0						
560	" PIPING	470	LF	4		0.4						
601	ELECTRICAL	149	MH	25		1.9						
602	FIXTURES	54	EA	1		0.5						
603	OUTLETS	98	EA	2		0.2						
605	MOTOR COMM.	5	EA	8								
607	ELEC. EQMT.	319	MH	56		2.0						
630	PAINTING	55	MH	1								
640	SPECIALTIES	5	EA	0								
660	CANVAS TENTS	7	EA	1								
710	ELEC. UTILITIES	925	LF	14		0.7						
760	WATER "	500	LF	4								
820	COMM. "	190	MH	3								
900	FINAL CLEAN-UP	72	MH	1								
				SHEET #1		19.4						
				TOTALS		36.1						

1 F-26a

NOTE: EXPLAIN MARKED VARIANCES BETWEEN ESTIMATED AND ACTUAL QUANTITIES.

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Pacific Southwest Region

COMPLETION REPORT OF QUANTITIES	JONES & HARVEY, INC. Engineers - Constructors	WOTHO DATE: 11-29-57 JPJ
L.D. NO.: 19600	FACILITY: RAD SAFE STATION	
DATE COMPLETED:	MADE BY:	APPROVED:

S/A	DESCRIPTION	EST. QUANTITY	UNIT	WTD %	ACT. QUANT.	EST. % COMPLETE AT REPORTING DATE 12-6							
950	LOAD & OFF LOAD	[illegible]	MH	5.7		3.0							
960	SALARY CARR IN TRAVEL	[illegible]	MH	9.5		7.5							
970	MISC SUPPORT WORK	[illegible]	MH	0.5									
	TOTAL	5678	MH	100.2									
	SHEETS 1 & 2					36.4							
						43.6							
					TOTALS								

1 F-26a

NOTE: EXPLAIN MARKED VARIANCES BETWEEN ESTIMATED AND ACTUAL QUANTITIES.