

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8208200049 DOC. DATE: 82/08/16 NOTARIZED: NO DOCKET #
 FACIL: 50-220 Nine Mile Point Nuclear Station, Unit 1, Niagara Powe 05000220
 AUTH. NAME AUTHOR AFFILIATION
 MANGAN, C.V. Niagara Mohawk Power Corp.
 RECIP. NAME RECIPIENT AFFILIATION
 EISENHUT, D.G. Division of Licensing

SUBJECT: Submits addl info supplementing 820806 ltr, re preliminary plans for replacing all 28-inch recirculation sys piping. ALARA program will be utilized for mitigating worker radiation doses during piping replacement.

DISTRIBUTION CODE: A001S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2
 TITLE: OR Submittal: General Distribution

NOTES:

	RECIPIENT ID CODE/NAME		COPIES		RECIPIENT ID CODE/NAME		COPIES	
			LTR	ENCL			LTR	ENCL
	ORB #2 BC	01	7	7				
INTERNAL:	ELD/HDS3		1	0	NRR/DHFS DEPY08		1	1
	NRR/DL DIR		1	1	NRR/DL/ORAB		1	0
	NRR/DSI/RAB		1	1	REG FILE 04		1	1
	RGN1		1	1				
EXTERNAL:	ACRS	09	10	10	LPDR	03	1	1
	NRC PDR	02	1	1	NSIC	05	1	1
	NTIS		1	1				

TOTAL NUMBER OF COPIES REQUIRED: LTR 28 ENCL 26

B.

THE UNIVERSITY OF CHICAGO
 DIVISION OF THE PHYSICAL SCIENCES
 DEPARTMENT OF CHEMISTRY
 5712 SOUTH DICKENS STREET
 CHICAGO, ILLINOIS 60637

RECEIVED
 DEPARTMENT OF CHEMISTRY
 UNIVERSITY OF CHICAGO
 CHICAGO, ILLINOIS 60637

FROM: [Illegible]
 TO: [Illegible]
 SUBJECT: [Illegible]

DATE	INITIALS	DESCRIPTION	INITIALS	DESCRIPTION
A	R	...	A	...
X	R	...	X	...
R	R	...	R	...
X	R	...	X	...

11/1/57

August 16, 1982

Mr. Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Re: Nine Mile Point Unit 1
Docket NO. 50-220
DPR-63

Dear Mr. Eisenhut:

Our letter of August 6, 1982, provided information regarding preliminary plans for replacing all of the 28-inch recirculation system piping during the current outage at Nine Mile Point Unit 1. During a meeting of August 13, 1982, members of your staff requested additional information regarding piping replacement. The requested information is provided herein.

ALARA Program

Our letters of May 24 and June 1, 1982, provided plans for the mitigation of worker radiation doses during the safe end replacement outage. These plans were reviewed by your staff and found acceptable as described in your letter of June 18, 1982. This transmitted Amendment No. 49 to our operating license and your Safety Evaluation Report.

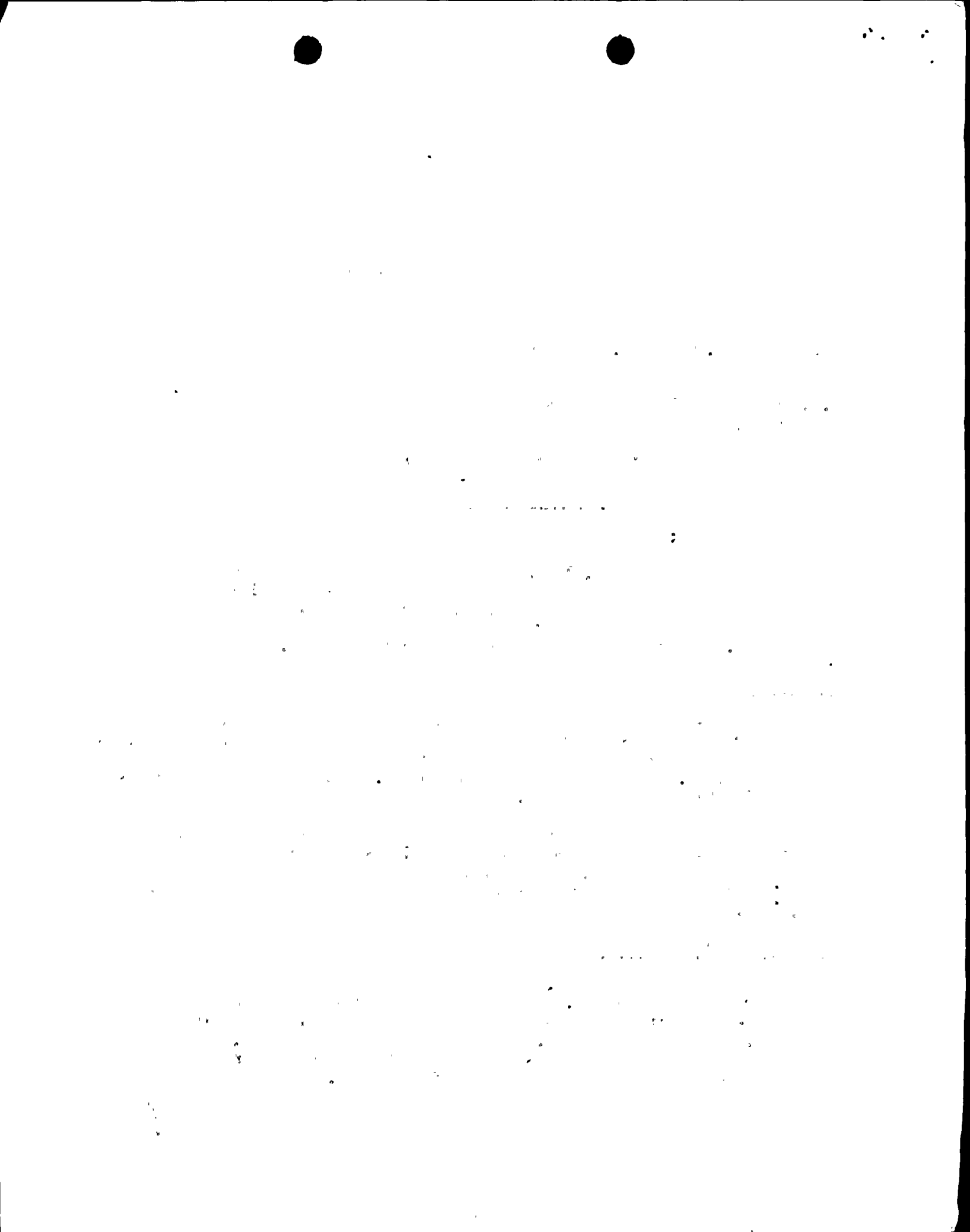
This ALARA Program will also be utilized for the mitigation of worker radiation doses during the 28-inch recirculation system piping replacement. Use of this pre-approved ALARA Program for this additional portion of the project will assure worker radiation doses will be kept as low as reasonably achievable.

Man Rem Exposure Estimate

Our letter of June 1, 1982, provided a man rem exposure estimate for the safe end replacement project. The total man rem exposure estimate projected for the 28-inch recirculation system piping replacement is currently being developed. Provided on Table 1, Task Person-Rem Summary Report, is the man rem exposure estimate for the disassembly of Number 15 reactor recirculation loop. This will be the first loop to be disassembled.

A001





Mr. Darrell G. Eisenhut
Page Two

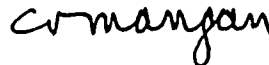
Man rem exposure estimates for the remaining loops will vary due to the unique attached piping arrangements of each loop. These man rem exposure estimates will be provided prior to the disassembly of the remaining loops.

Although the total man rem exposure estimate for the 28-inch recirculation system piping replacement has not been finalized, it is anticipated that the total man rem exposure estimate provided for the safe end replacement project will bound this additional work. This is expected since the existing recirculation piping, which is a large source of radiation, will be removed from the drywell. This will decrease the prior man rem exposure estimate for the safe end replacement project. The man rem exposure estimate for the 28-inch recirculation system piping replacement is expected to be less than the man rem savings associated with the elimination of the recirculation system piping in the drywell. Therefore, it is anticipated that the total man rem exposure estimate for the safe end replacement project will bound both the safe end and 28-inch recirculation system piping replacements.

Upon completing your review, disassembly of number 15 reactor recirculation loop will commence. As indicated above, the remaining man rem exposure estimates will be provided to you for review prior to the disassembly of the remaining loops.

Very truly yours,

NIAGARA MOHAWK POWER CORPORATION



C. V. Mangan

Vice President Nuclear Engineering & Licensing

SWW:bd



[The text in this section is extremely faint and illegible due to low contrast and noise. It appears to be a large block of text, possibly a list or a series of entries, but the individual characters and words cannot be discerned.]

TABLE 1

TASK PERSON-REM SUMMARY REPORT

DATE 08/16/82 PAGE 1

TASK	TASK DESCRIPTION	PERCENT COMPLETE	ACTUAL PERSON REM	TOTAL EST PERSON REM	CURR EST PERSON REM	CUR EST MINUS ACT PERS-REM	ACTUAL PERSON HOURS	TOTAL EST PERSON HOURS	CURR EST PERSON HOURS	PERSON HOURS DIFFERENCE
1115	remove spring hangers on 259		.580	.810	.000	.580-	17.63	18.00	.00	17.63-
1	MASTER TASK TOTALS *****		.580	.810	.000	.580-	17.63	18.00	.00	17.63-
2001	take as built dimensions		.135	2.250	.000	.135-	5.00	45.00	.00	5.00-
2295	install riser covers		.000	.640	.000	.000	.00	8.00	.00	.00
2425	scribe cut lines & mark pipe		.000	1.920	.000	.000	.00	12.00	.00	.00
2430	install temp supports		.000	1.200	.000	.000	.00	24.00	.00	.00
2435	inst rig to rem riser pipe		.070	2.700	.000	.070-	4.25	36.00	.00	4.25-
2440	set up scaf on riser		.000	1.600	.000	.000	.00	40.00	.00	.00
2442	rem insul from pipe		.000	.500	.000	.000	.00	10.00	.00	.00
2450	set up pls arc, top rsr cut		.000	.900	.000	.000	.00	12.00	.00	.00
2455	pls arc top half riser pipe		.000	.260	.000	.000	.00	30.00	.00	.00
2465	rig out top half riser pipe		.000	1.960	.000	.000	.00	28.00	.00	.00
2480	setup pls arc, bot half rsr pipe		.000	.900	.000	.000	.00	12.00	.00	.00
2485	cut out bot half riser pipe		.000	.420	.000	.000	.00	6.00	.00	.00
2490	rig out bot half riser pipe		.000	4.200	.000	.000	.00	60.00	.00	.00
2495	setup pls arc on valve		.000	1.560	.000	.000	.00	12.00	.00	.00
2505	setup rig to remove valve		.000	1.200	.000	.000	.00	15.00	.00	.00
2510	erect scaf, valve & lwr rsr		.000	.600	.000	.000	.00	20.00	.00	.00
2515	cut out valve		.000	.690	.000	.000	.00	6.00	.00	.00
2520	rig out valve		.000	5.520	.000	.000	.00	48.00	.00	.00
2525	setup pls arc on lwr riser		.000	1.380	.000	.000	.00	12.00	.00	.00
2526	setup rigging on lwr riser		.000	.300	.000	.000	.00	12.00	.00	.00
2535	cut out lower riser		.000	.480	.000	.000	.00	6.00	.00	.00

SHERMAN LIVE TRACKS PAY FINISH

MOORE BUSINESS FORMS, INC. HO 3514

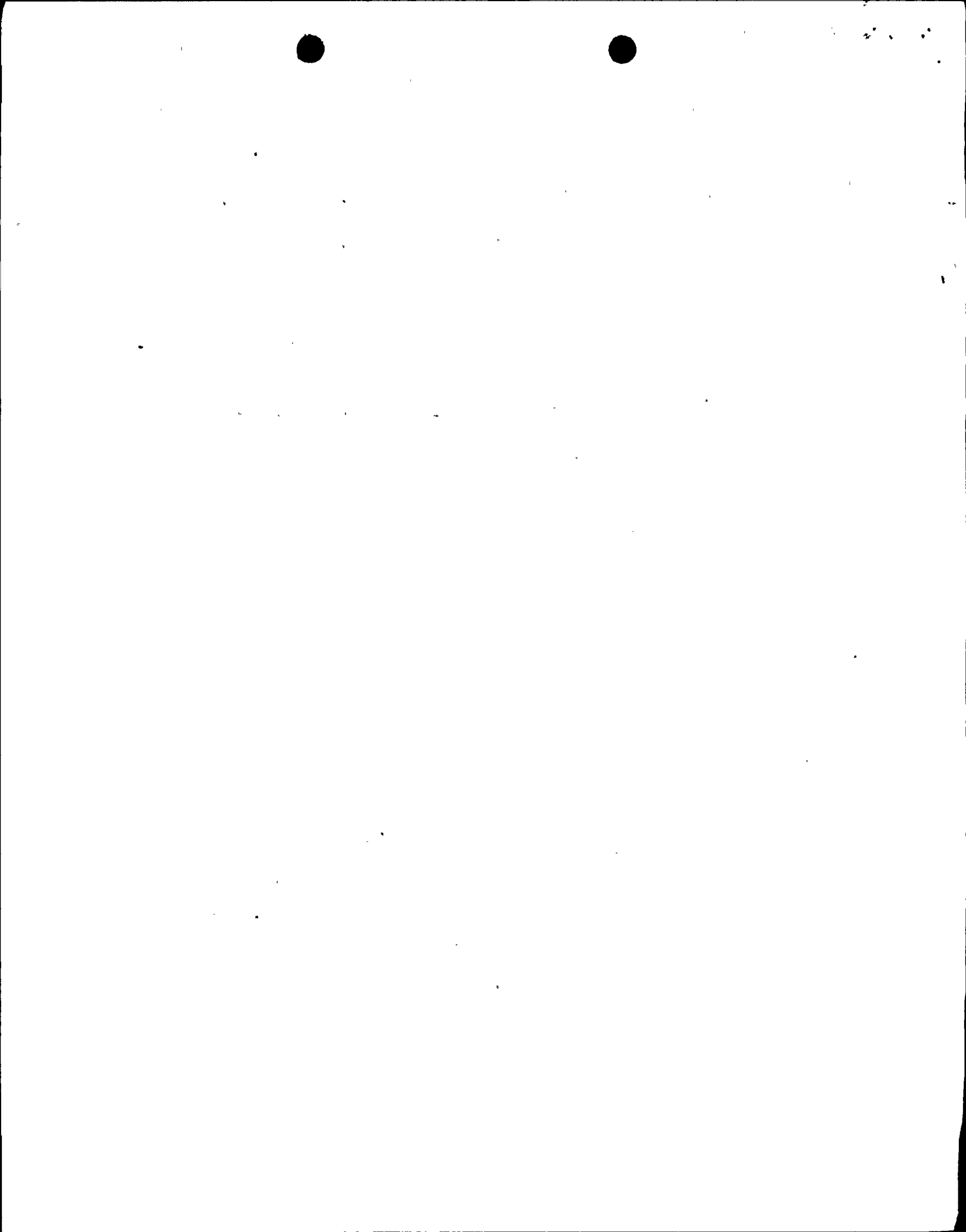


TABLE 1 (Con't.)

TASK PERSON-REM SUMMARY REPORT

DATE 08/16/82 PAGE

2

TASK	TASK DESCRIPTION	PERCENT COMPLETE	ACTUAL PERSON REM	TOTAL EST PERSON REM	CURR EST PERSON REM	CUR EST MINUS ACT PERS-REM	ACTUAL PERSON HOURS	TOTAL EST PERSON HOURS	CURR EST PERSON HOURS	PERSON HOURS DIFFERENCE
2540	rig out lower riser		.000	4.750	.000	.000	.00	50.00	.00	.00
2545	setup rig on lower elbow		.000	1.380	.000	.000	.00	12.00	.00	.00
2550	erect scaf on lower elbow		.000	.120	.000	.000	.00	4.00	.00	.00
2555	inst cut mach on lur elbow		.000	5.180	.000	.000	.00	45.00	.00	.00
2556	setup vent on lower elbow		.000	.120	.000	.000	.00	4.00	.00	.00
2560	cut out lower elbow		.000	.960	.000	.000	.00	12.00	.00	.00
2570	rig out lower elbow		.000	4.000	.000	.000	.00	50.00	.00	.00
2572	set up- vent		.000	.400	.000	.000	.00	16.00	.00	.00
2575	inst clean plugf in pump		.000	.100	.000	.000	.00	2.00	.00	.00
2578	setup rigging		.000	.360	.000	.000	.00	12.00	.00	.00
2580	setup cut mach on ecr		.000	4.800	.000	.000	.00	40.00	.00	.00
2585	cut out ecr line		.000	1.920	.000	.000	.00	24.00	.00	.00
2590	cover open piping		.000	.250	.000	.000	.00	10.00	.00	.00
2592	rig out piping		.000	1.200	.000	.000	.00	16.00	.00	.00
2635	setup cut mach on misc lines		.000	1.000	.000	.000	.00	10.00	.00	.00
2640	cut misc lines on hot elbow		.000	1.400	.000	.000	.00	14.00	.00	.00
2 MASTER TASK TOTALS *****			.205	59.120	.000	.205	9.25	775.00	.00	9.25
4665	replace spring hangers		.375	.540	.000	.375-	18.62	18.00	.00	18.62-
4 MASTER TASK TOTALS *****			.375	.540	.000	.375-	18.62	18.00	.00	18.62-
6001	take as built dimensions		.620	2.700	.000	.620-	5.00	45.00	.00	5.00-
6006	remove insul from rsdc pipe		.040	1.000	.000	.040-	.83	10.00	.00	.83-
6160	setup rig for upper riser		.000	.960	.000	.000	.00	48.00	.00	.00

SHEILDHEAD EYE TRACKS PAT PENDING

MOORE BUSINESS FORMS, INC. NO. 2511



Table 1 (Con't.)
TASK PERSON-REM SUMMARY REPORT

DATE 08/16/82 PAGE 3

TASK	TASK DESCRIPTION	PERCENT COMPLETE	ACTUAL PERSON REM	TOTAL EST PERSON REM	CURR EST PERSON REM	CUR EST MINUS ACT PERS-REM	ACTUAL PERSON HOURS	TOTAL EST PERSON HOURS	CURR EST PERSON HOURS	PERSON HOURS DIFFERENCE
6161	setup scaf for rsdc cut		.000	1.600	.000	.000	.00	20.00	.00	.00
6162	setup rigging for rsdc cut		.000	2.400	.000	.000	.00	24.00	.00	.00
6163	setup scaf for upper riser		.158	.960	.000	.158	4.17	48.00	.00	4.17
6165	scribe lines & mark pipe		.000	3.000	.000	.000	.00	24.00	.00	.00
6168	inst addtnl valve & pipe support		.000	.720	.000	.000	.00	24.00	.00	.00
6170	setup pls arc for top riser		.000	1.260	.000	.000	.00	12.00	.00	.00
6175	cut top half of riser		.000	.320	.000	.000	.00	3.00	.00	.00
6180	rig out top half of riser		.000	2.940	.000	.000	.00	28.00	.00	.00
6182	install covers on piping		.000	.400	.000	.000	.00	8.00	.00	.00
6185	setup pls arc on bott riser		.000	1.260	.000	.000	.00	12.00	.00	.00
6187	cut out bottom half riser		.000	.480	.000	.000	.00	6.00	.00	.00
6188	rig out bottom half riser		.000	4.800	.000	.000	.00	60.00	.00	.00
6190	setup rig to remove valve		.000	1.280	.000	.000	.00	15.00	.00	.00
6193	erect scaf to remove valve		.000	1.600	.000	.000	.00	20.00	.00	.00
6195	setup pls arc on valve cut		.000	1.680	.000	.000	.00	12.00	.00	.00
6200	cut out valve		.000	.720	.000	.000	.00	6.00	.00	.00
6205	rig out valve		.000	4.320	.000	.000	.00	48.00	.00	.00
6210	setup rig for lower elbow		.000	.960	.000	.000	.00	12.00	.00	.00
6213	erect scaf for lower elbow		.000	.100	.000	.000	.00	4.00	.00	.00
6215	setup cut mach on lwr elbow		.000	2.250	.000	.000	.00	45.00	.00	.00
6217	cut out lower elbow		.000	1.680	.000	.000	.00	12.00	.00	.00
6219	rig out lower elbow		.000	3.000	.000	.000	.00	50.00	.00	.00
6245	setup cut mach, rsdc retn pipe		.000	6.000	.000	.000	.00	40.00	.00	.00
6250	cut rsdc return pipe		.000	2.400	.000	.000	.00	24.00	.00	.00

SUBHEADS: EYE TRACKS PAT FINDING

MOORE BUSINESS FORMS, INC. NO. 2315

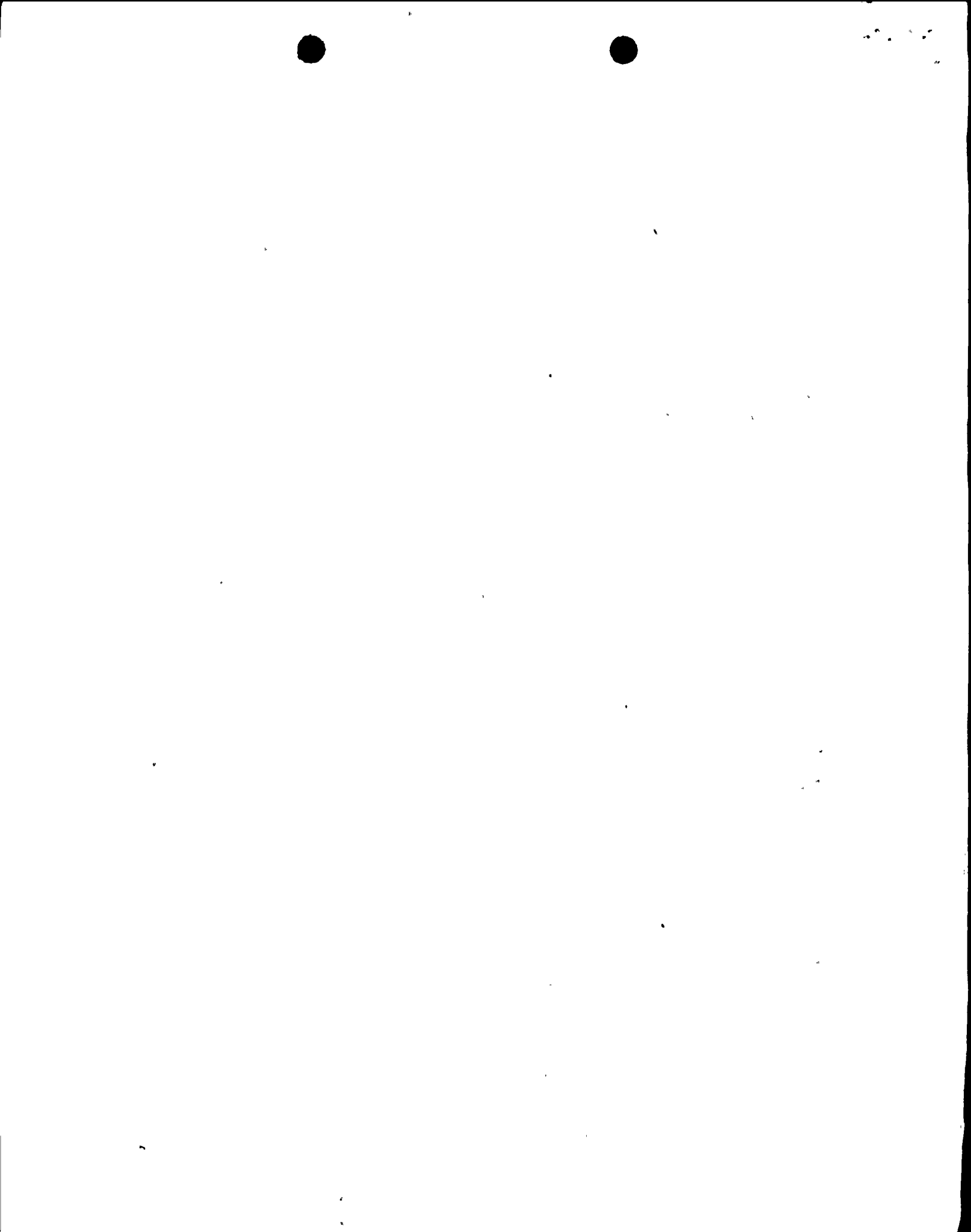


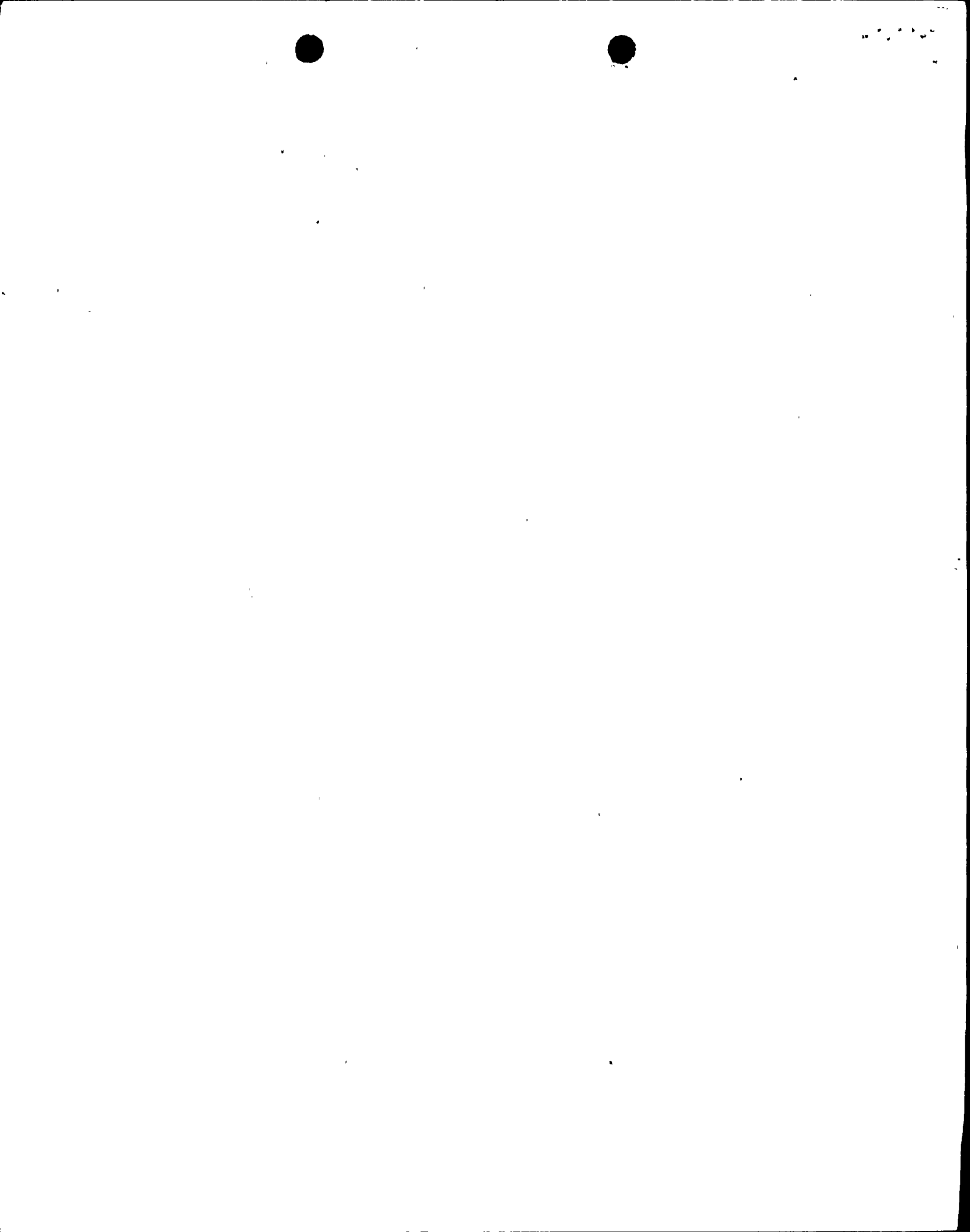
TABLE 1 (Con't.)
TASK PERSON-REM SUMMARY REPORT

DATE 08/16/82 PAGE 4

TASK	TASK DESCRIPTION	PERCENT COMPLETE	ACTUAL PERSON REM	TOTAL EST PERSON REM	CURR EST PERSON REM	CUR EST MINUS ACT PERS-REM	ACTUAL PERSON HOURS	TOTAL EST PERSON HOURS	CURR EST PERSON HOURS	PERSON HOURS DIFFERENCE
6252	rig out xsdc spool piece		.000	1.600	.000	.000	.00	16.00	.00	.00
6255	cover ends of xsdc piping		.000	1.000	.000	.000	.00	10.00	.00	.00
6260	setrup cut mach on 5 lines		.000	1.600	.000	.000	.00	20.00	.00	.00
6265	cut 5 lines on #15 disch		.000	1.920	.000	.000	.00	24.00	.00	.00
6270	install clean plugs		.000	.160	.000	.000	.00	2.00	.00	.00
6	MASTER TASK TOTALS *****		.818	57.070	.000	.818-	10.00	732.00	.00	10.00-
8640	remove temp restraints		.000	1.500	.000	.000	.00	50.00	.00	.00
8641	remove temp pipe restraints		.000	1.250	.000	.000	.00	50.00	.00	.00
8	MASTER TASK TOTALS *****		.000	2.750	.000	.000	.00	100.00	.00	.00

SCHEDDAG @ ETEPAC@ PAT PENDING

MOORE BUSINESS FORMS, INC. NO. 2554-





Handwritten marks and symbols in the top right corner, including a horizontal line and several small dots.

0

A faint horizontal line of text or markings across the middle of the page, which is mostly illegible.

Faint text or markings at the bottom left of the page.