U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 50-219/79-25

Docket No. 50-219

License No. DPR-16 Priority -- Category C

Licensee: Jersey Central Power & Light Company

Madison Avenue at Punch Bowl Road

Morristown, New Jersey 07960

Facility Name: Oyster Creek Nuclear Generating Station

Meeting at: USNRC, Region I, King of Prussia, Pennsylvania

Meeting conducted: June 5, 1979

Prepared By: R.L Nimitz 5/27/80
itz, Radiation Specialist date signed

date signed

date signed

Approved by: George H. Smith 5/27/80
G. H. Smith, Chief date signed
Fuel Facilities and Materials Safety
Branch

Meeting Summary:

Enforcement Meeting on June 5, 1979 (Report No. 50-219)

Special meeting convened by Region I management to discuss NRC concerns relating to NRC Radiation Protection Inspection No. 50-219/79-07. The meeting was held to discuss licensee immediate corrective actions and long term plans for improving the licensee's Radiation Protection Program.

Region I Form 12-1
(Rev. August 77)

DETAILS

1. Attendees

Jersey Central Power and Light Company (JCP&L)

J. T. Carroll, Jr., Oyster Creek Station Manager
I. Finfrock, Vice President, Generation
A. N. Tschaechl, General Electric
D. W. Turner, General Electric

U.S. Nuclear Regulatory Commission

B. Grier, Director
J. Allan, Deputy Director, Region I
L. Briggs, Reactor Inspector
E. Brunner, Chief, Reactor Operations and Nuclear Support Branch
R. Keimig, Reactor Projects Section No. 1, RO&NS Branch, Region I
D. Neely, Radiation Specialist, Region I
G. Smith, Chief, Fuel Facilities and Materials Safety Branch, Region I

2. Background

As a result of written allegations received by the Region I Office of Inspection and Enforcement (OIE), a special Radiation Protection Inspection was conducted April 18-20, 1979 to review these allegations. Region I OIE Report 50-219/79-07 details the findings of this inspection.

Based on the findings of this special inspection, Immediate Action Letter No. 79-04 was issued to the licensee on April 25, 1979 to confirm implementation or immediate corrective actions for these findings.

The Immediate Action Letter confirmed the following:

-- A qualified corporate Health Physics (HP) manager and additional qualified HP supervisors would be assigned to the site by May 15, 1979;

-- A comprehensive plan to upgrade the HP program with a plan implementation schedule would be submitted by June 1, 1979;

-- Additional radiation protection training for workers and those providing health physics coverage would be initiated no later than June 1, 1979 and;

-- A report of a personnel contamination incident, which occurred on March 16, 1979, would be submitted by May 9, 1979.

The meeting, discussed in the following paragrapn, was convened to express NRC concern over the inspection findings, to determine the status of the immediate action letter items, and to review corrective actions described in the licensee reply dated February 5, 1979 to a NRC Notice of Violation enclosed with a letter to the licensee dated January 12, 1979.

3. Meeting Summary

NRC Region I Director, B. H. Grier, opened the meeting by expressing strong concern over the quality of the Radiation Protection Program at Oyster Creek as evidenced by Special Radiation Protection Inspection No. 50-219/79-07.

The findings of this inspection were presented to the licensee management. Region I management also presented the following items which required additional licensee management attention:

-- The need for a procedure detailing when to wear protective clothing;

-- The need for additional licensee emphasis in the area of contamination control practices;

-- The need for improvement in the airborne radioactivity sampling program;

-- Additional licensee emphasis on the necessity for frisking properly; and

-- Greater emphasis on housekeeping at the Oyster Creek Facility.

Following the presentation of these findings, Region I management requested a summary of the status of the immediate action letter items.

The licensee representatives presented the status of the immediate action letter items which included the submittal of a comprehensive action plan with an implementation schedule (attached) for upgrading the Radiation Protection Program at the licensee's Oyster Creek Nuclear Generating Station.

4. Concluding Remarks

Regional management indicated the upgrade plan as presented if implemented properly, would serve to improve the licensee's present Radiation Protection Program.

Licensee representatives requested a similar meeting be held in approximately one month. This meeting would be held to provide NRC Region I with a status of implementation of the upgrade plan for the Oyster Creek Radiation Protection Program. Region I management concurred with this request.

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

1. Exposure Control Page 1 of 2

CUSTOMER: Jersey Central Power & Light

LOCATION: Oyster Creek

	6/1/79	6/11	6/18	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27
Change high radiation area locks	Review need	Decide lock type	Work order Purch. Ord.		Lock delivery →		Install locks		Priority	Based on	Occupancy	Repair hi rad lights →	
Contingency plans	If on 6/6 locks not decided then authorize work and overtime to complete by 6/6/79		If no P.O. by 6/22 then Chuck McClain GPU will expedite		If not on site by 7/6 then authorize special shipping or hand delivery		If all locks not installed by 8/13/79 then authorize maintenance & overtime to complete by 8/18/79 @ 2400						
Improve pencil dosimeter control A. Rep cards & bar charts B. Remove p.d. chargers C. Verify P.D. readings @ guardhouse	Purchase rep cards → Change RWP form/bar chart forms → Change RWP procedure → Train HP techs; start at 2400 6/20/79 →		Inform workers → Approve procedure →		Evaluate parallel exposure estimate system → Evaluate both systems →					Decis on analysis → Determine best balanced benefit/risk system			
Improve RWP procedure A. Names of authorized personnel B. Include available exposure on RWP C. Include job authorized exposure D. Set stay time based on dose rate E. Require RWP for hi rad key. F. Include timekeeping when needed G. Allow HP tech to accompany worker in lieu of RWP	Change RWP procedure → Change RWP form → Train HP Techs → Train workers → Formalize timekeeping requirements → Write procedure →		Approve procedure → Print forms → Approve procedure →		Close observation by HP techs → To assist workers (CONTINGENCY: If RWP forms do not arrive on 6/25/79 then authorize special shipment)			Periodic on the job audits →					
Tech. Specifications 6.13.1 change	Write change (GPU) → Internal approval →		Admin → To NRC → Revise health physics procedures Approve procedures	Wait for NRC approval → ?				Train HP techs → Train workers → Institute change →					
Administrative exposure limits A. Daily B. Weekly C. Monthly D. Quarterly	Decide → Routine & Outage Limits	Decide → Level of Management Necessary to Extend Limits	Write procedure →		Approve procedure →	Inform workers →		CONTINGENCY PLAN: If NRC approval not received by 7/26/79 (1) Do not issue procedure (2) Do not start HP tech training (3) Do not start worker training (4) reserve PIC6A's for workers during outage					
Install alarming area monitors	Notify Determine	Existing Installation	Area monitors Location → Write work orders →		Inst. Eqpt. Write procedure for test & calibration → Install monitors Train workers & HP techs	Approve → procedure		Start use →					
Alarming pocket dosimeters	Evaluate samples →			Determine Need →	Purchase supplies → (AWAIT [illegible] -60 DAYS)				CONTINGENCY: [illegible]				

ISE TN-75 (4/78)

GENERAL ELECTRIC

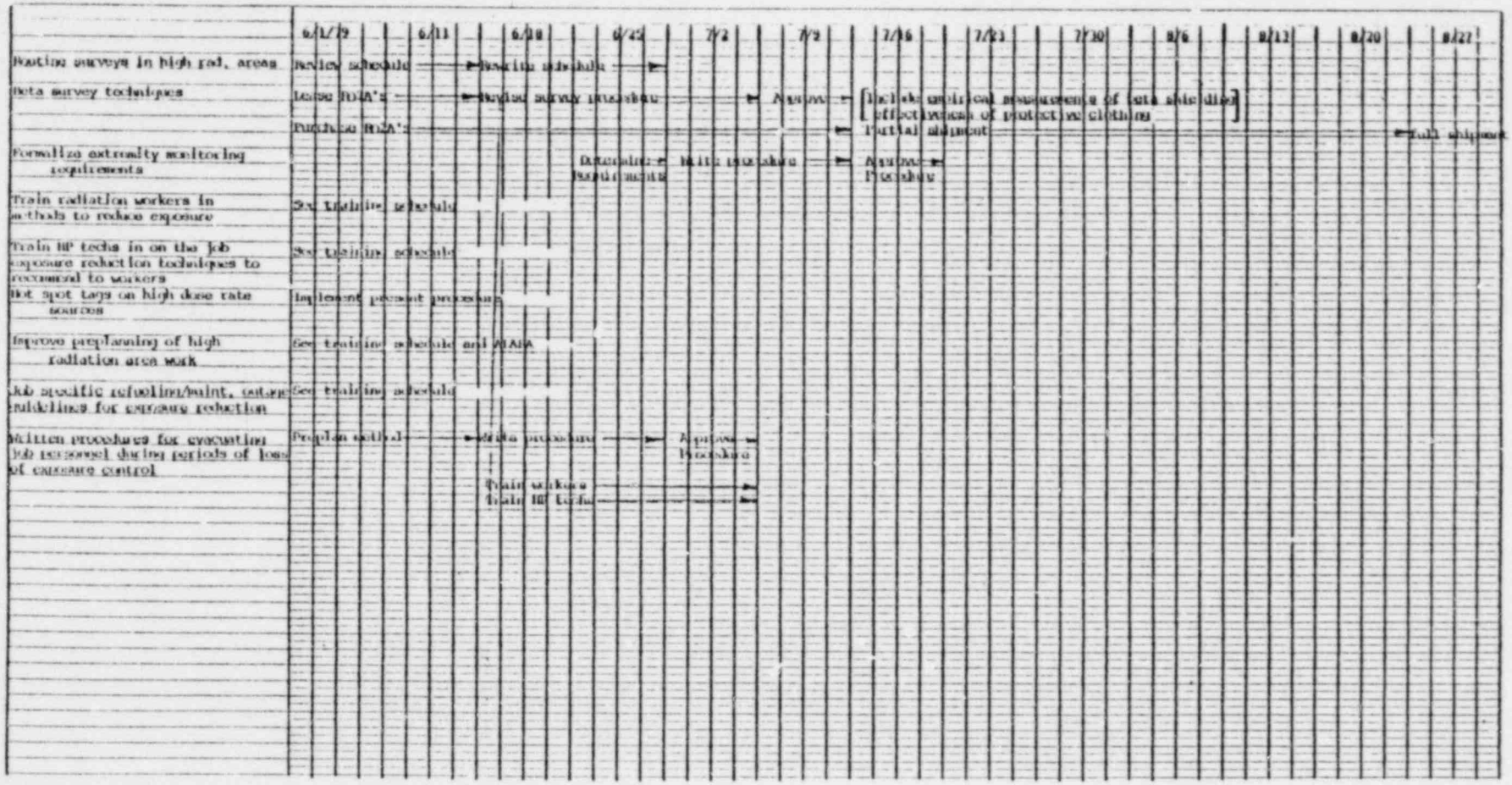
INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: Jersey Central Power & Light

LOCATION: Oyster Creek

1. Exposure Control Page 2 of 2



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GENERAL ELECTRIC

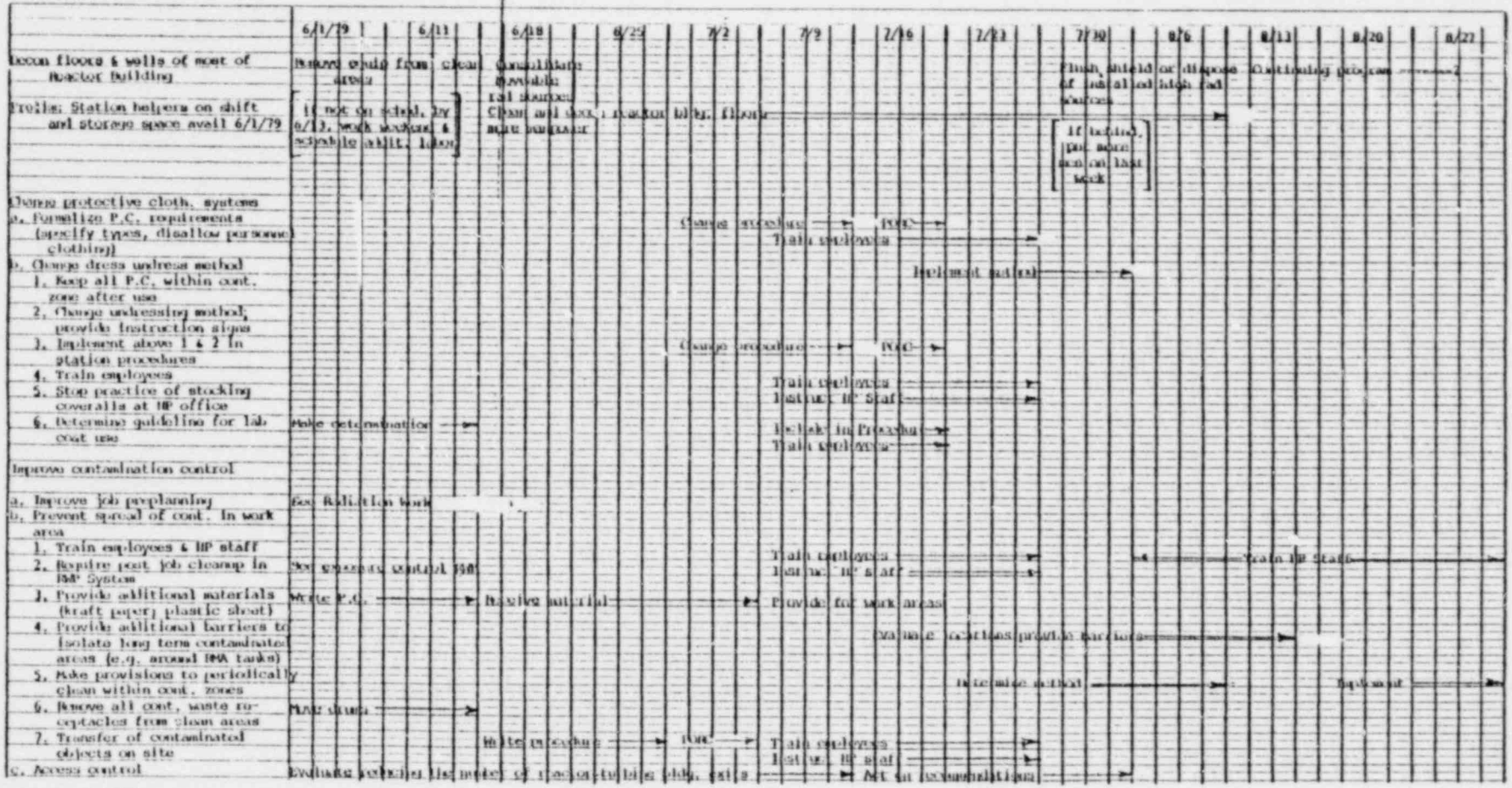
INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: Oyster Creek

LOCATION: Health Physics

2 - Contamination Control 1 of 3



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GENERAL ELECTRIC

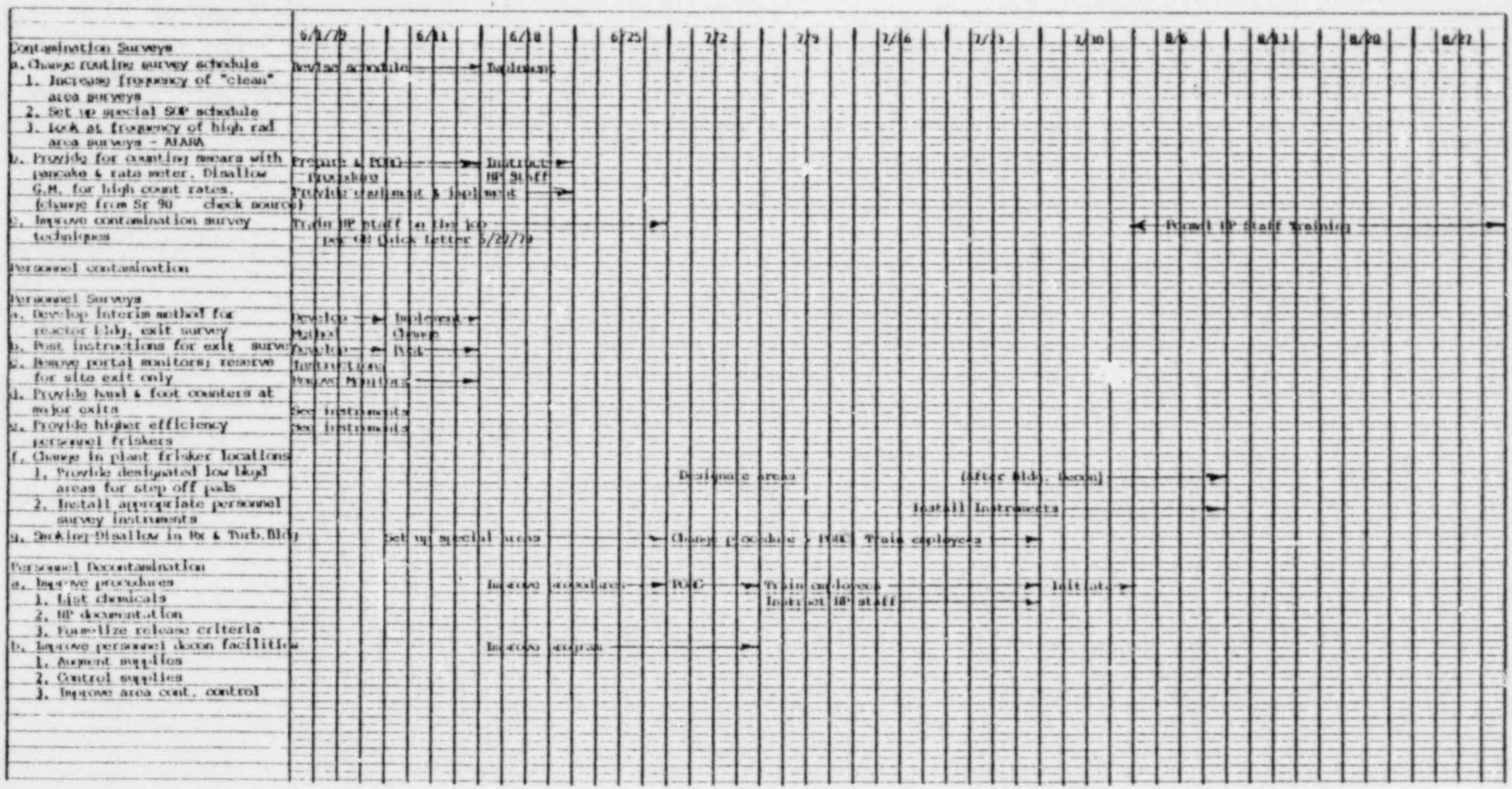
INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____

3 - Contamination Control 2 of 3



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GENERAL ELECTRIC

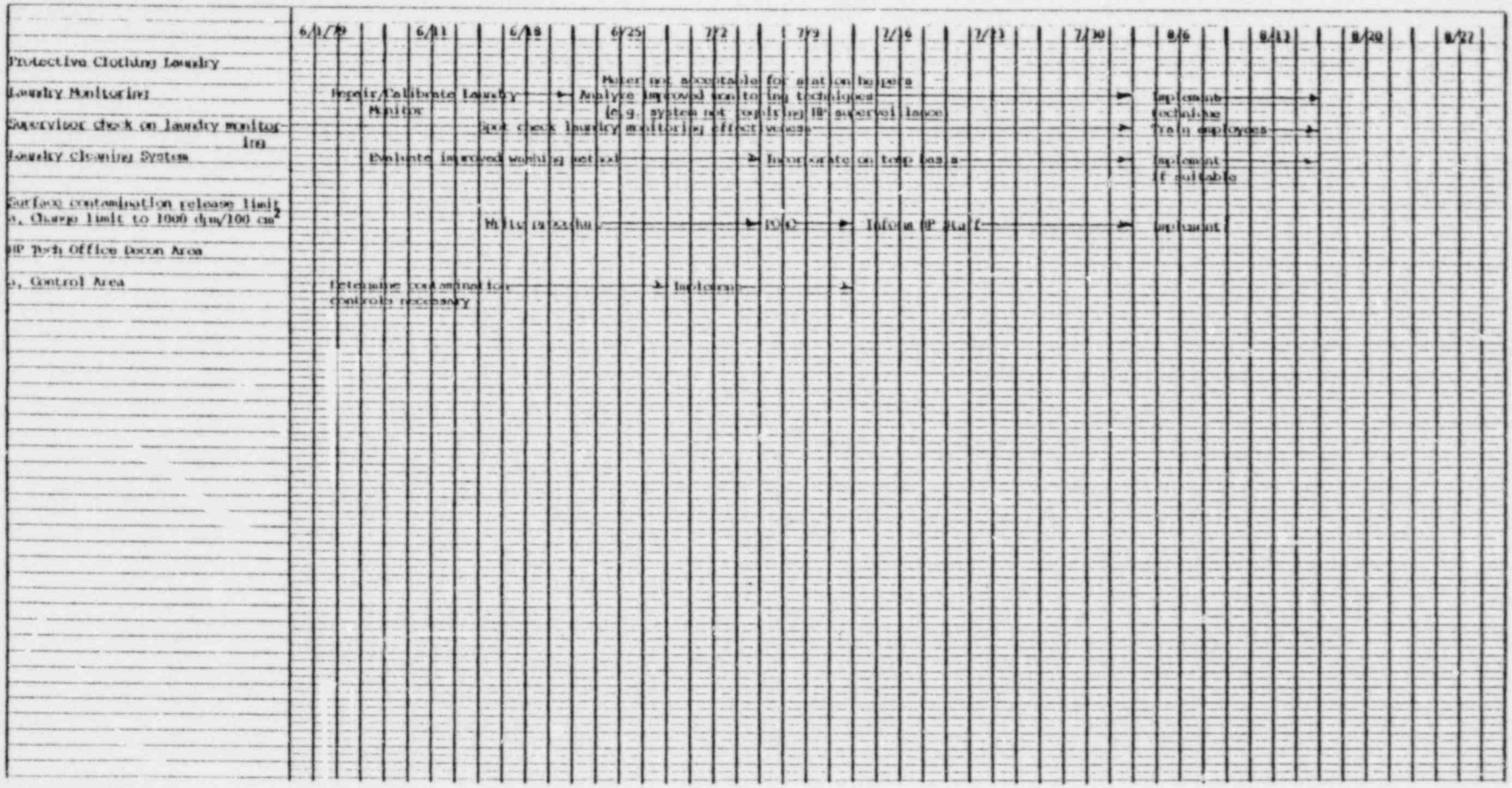
INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____

2 Contamination Control 3 of 3



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GENERAL ELECTRIC

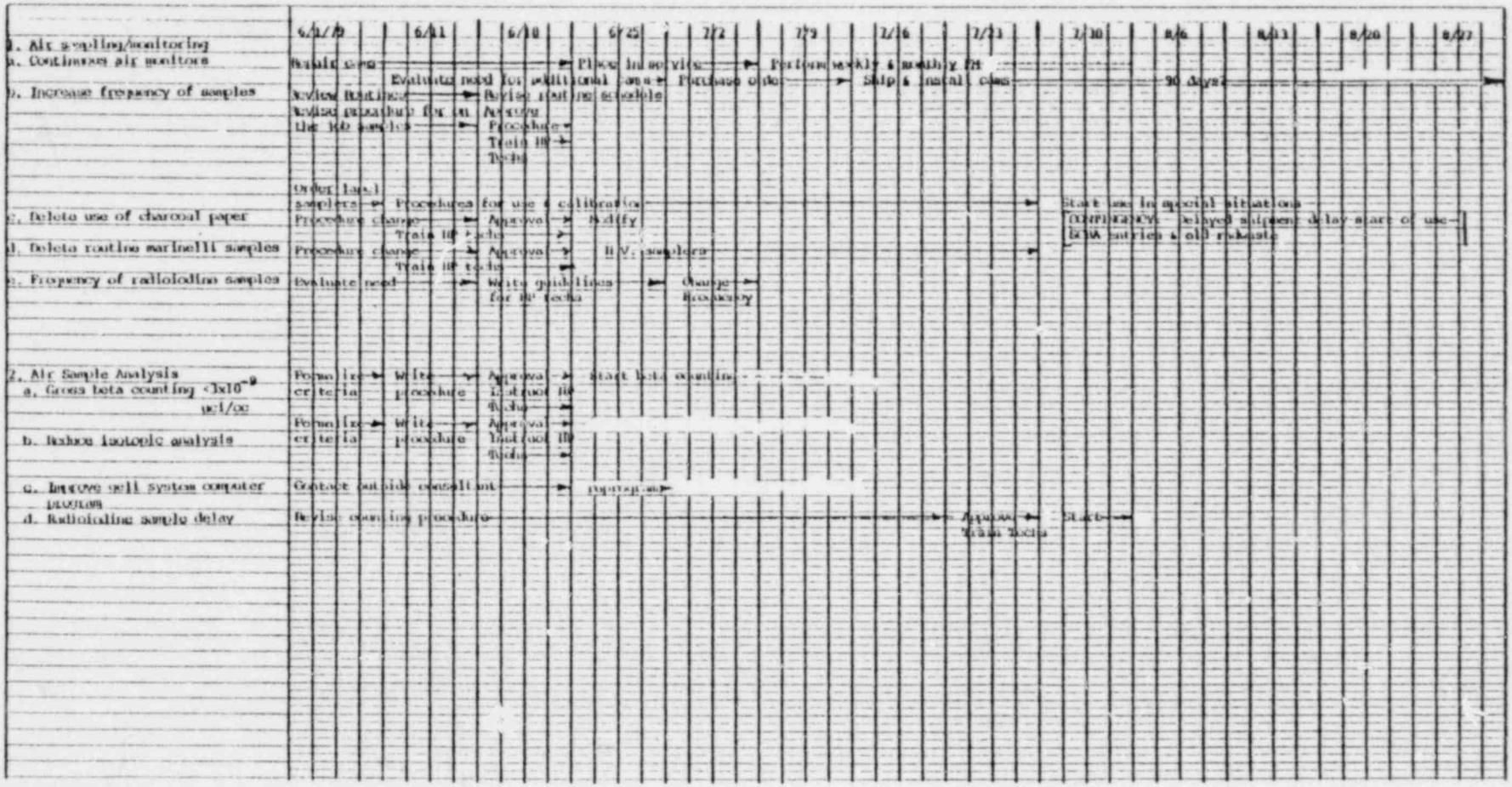
INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____

1. Internal Deposition Control
Page 1 of 3



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GENERAL ELECTRIC

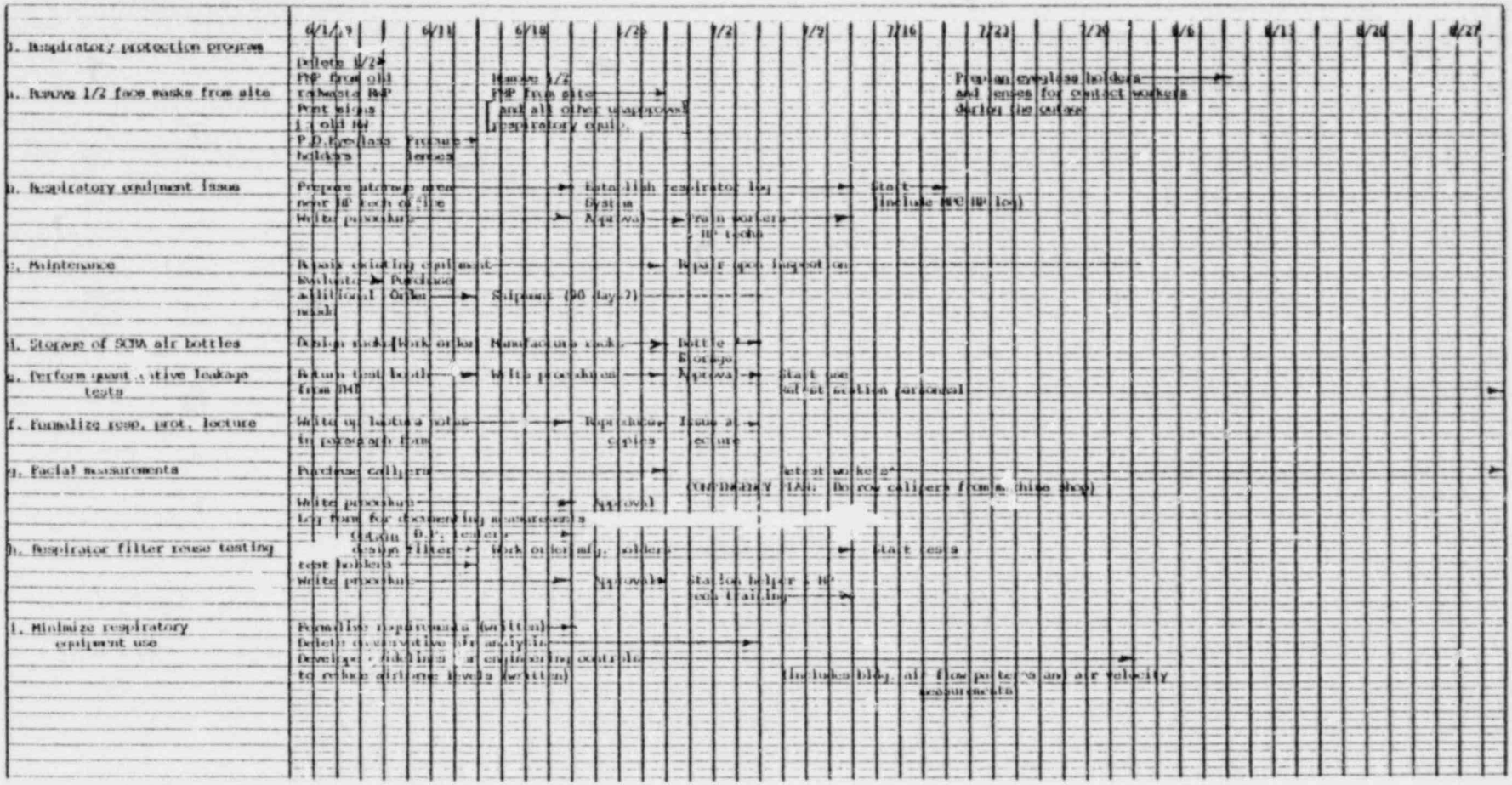
INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____

3. Internal Exposition Control
Page 2 of 3



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GENERAL ELECTRIC

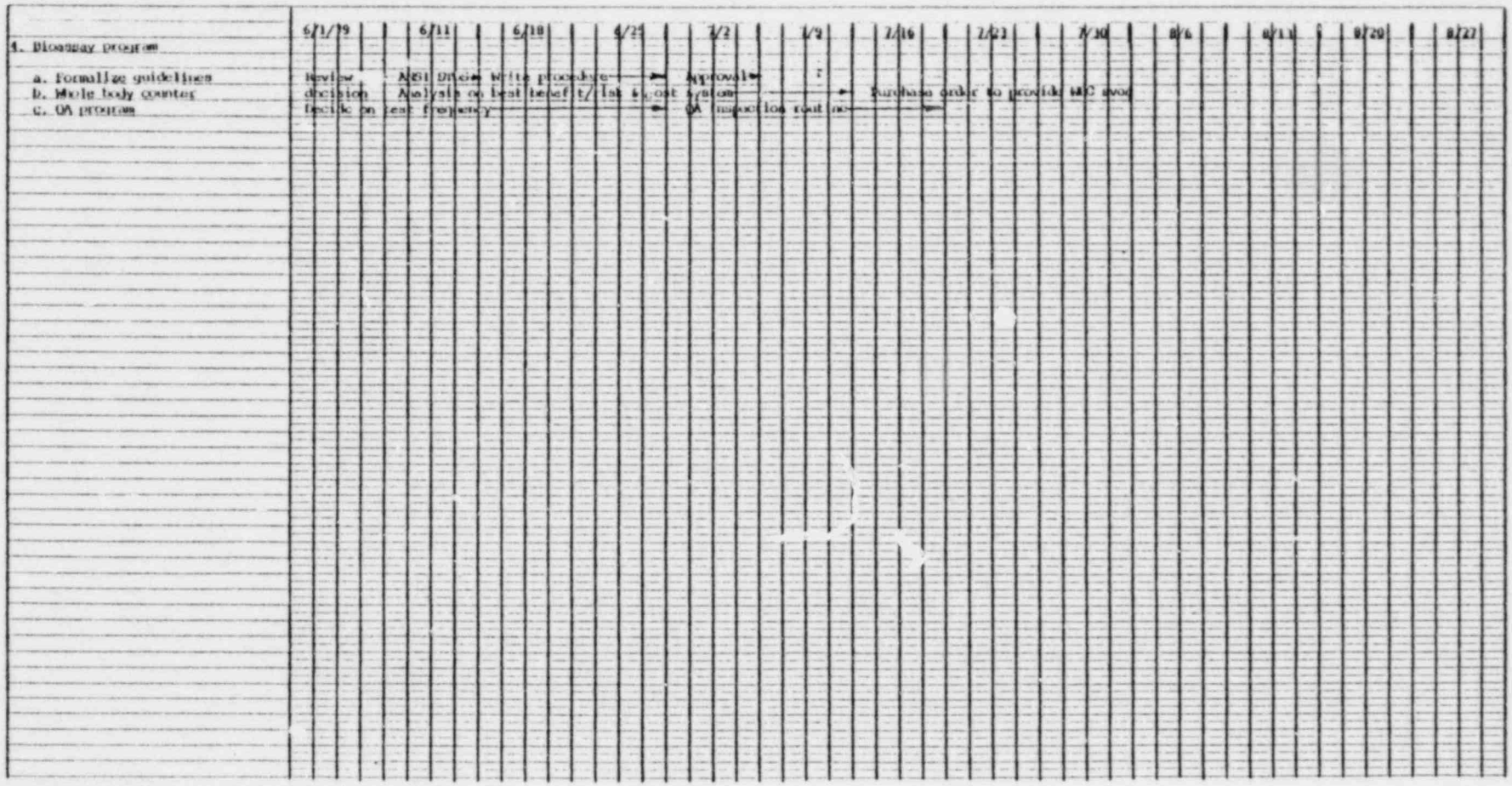
INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____

3. Internal Deposition Control
Page 3 of 3



ISE TN-75 (4/76)

GENERAL ELECTRIC

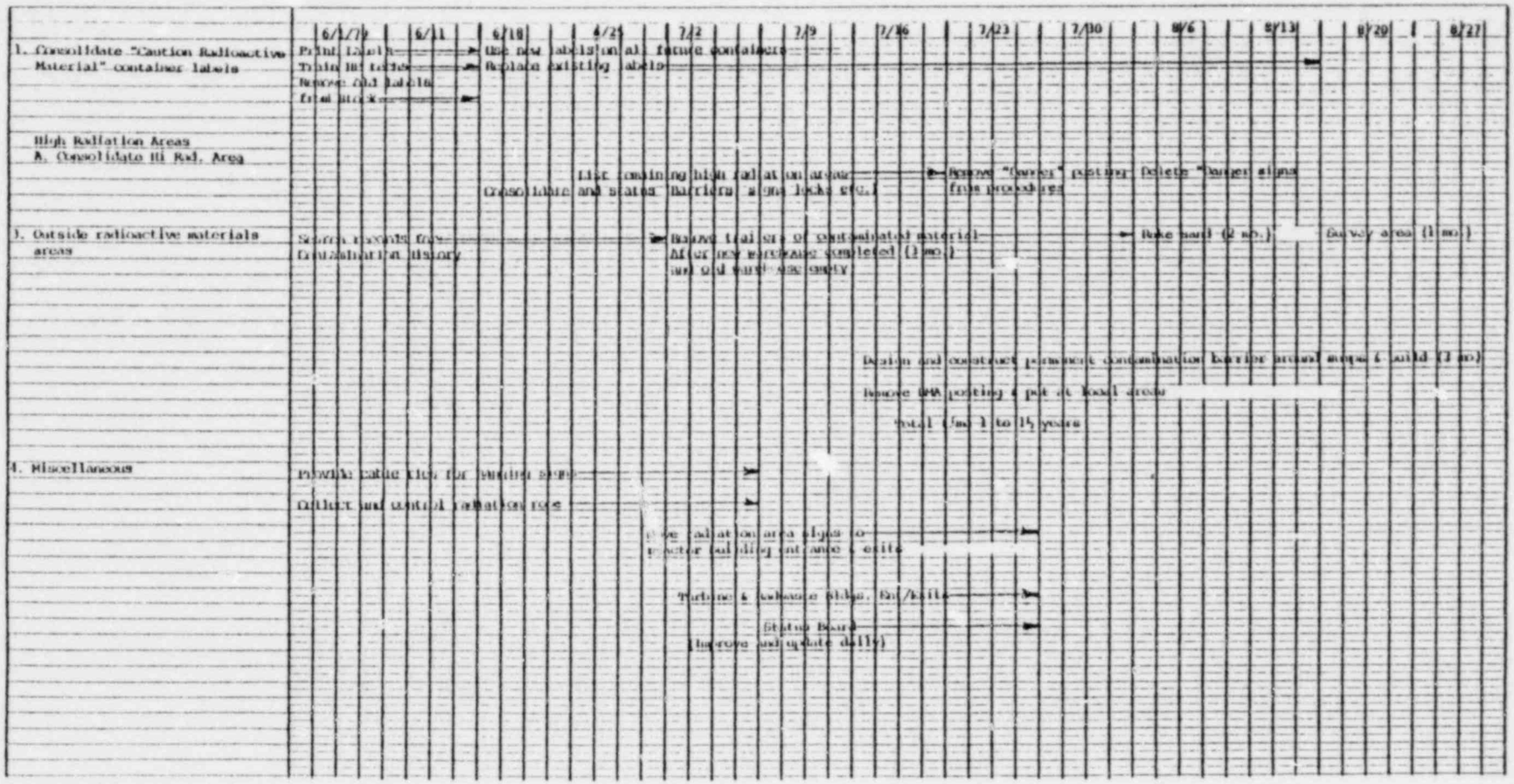
INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____

4. Posting & Labelling
Page 1 of 1



ISE TN-75 (4/76)

GENERAL ELECTRIC

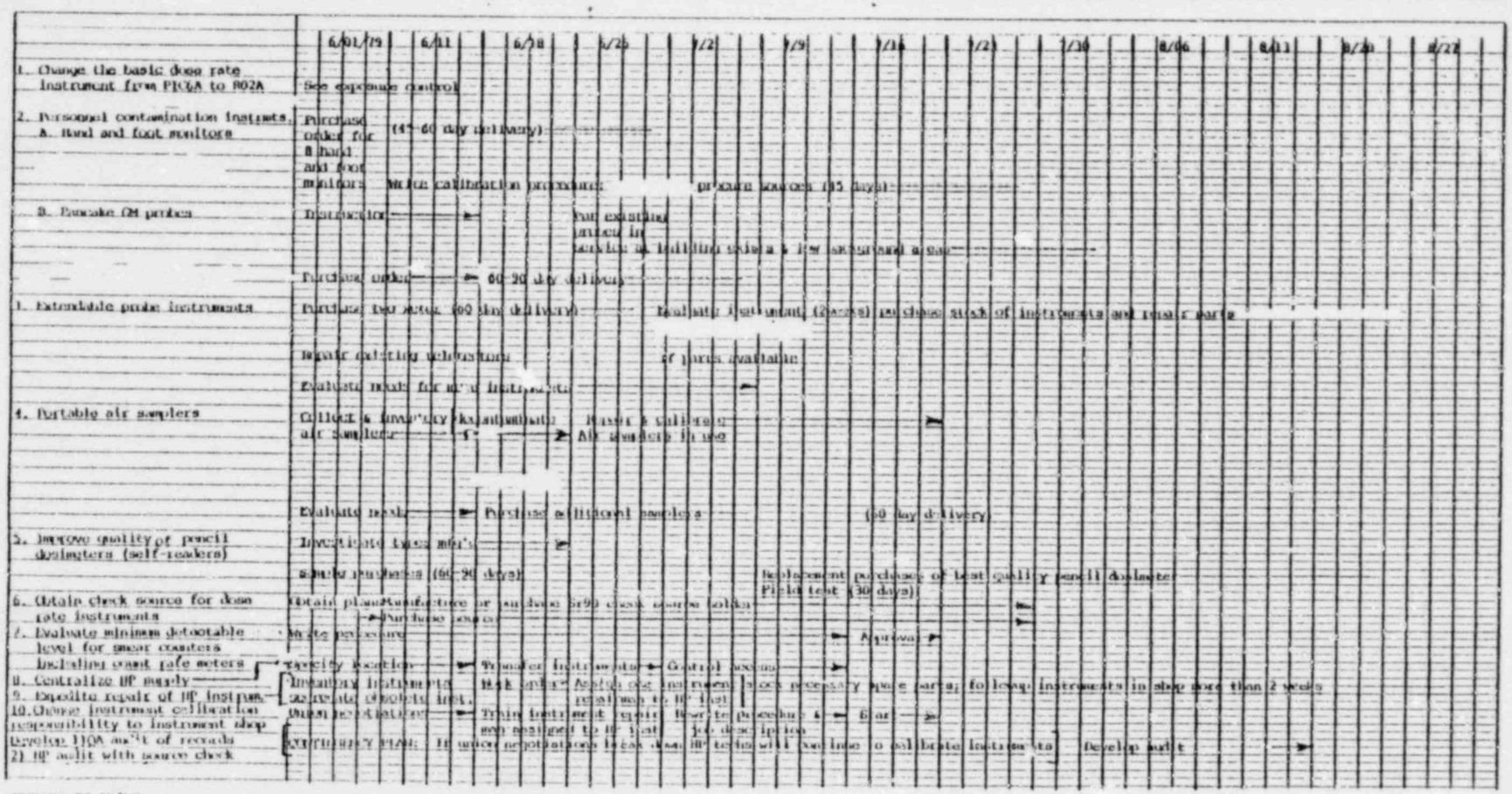
INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____

5. Health Physics Instruments



ISE TH-75 (4/76)

GENERAL ELECTRIC

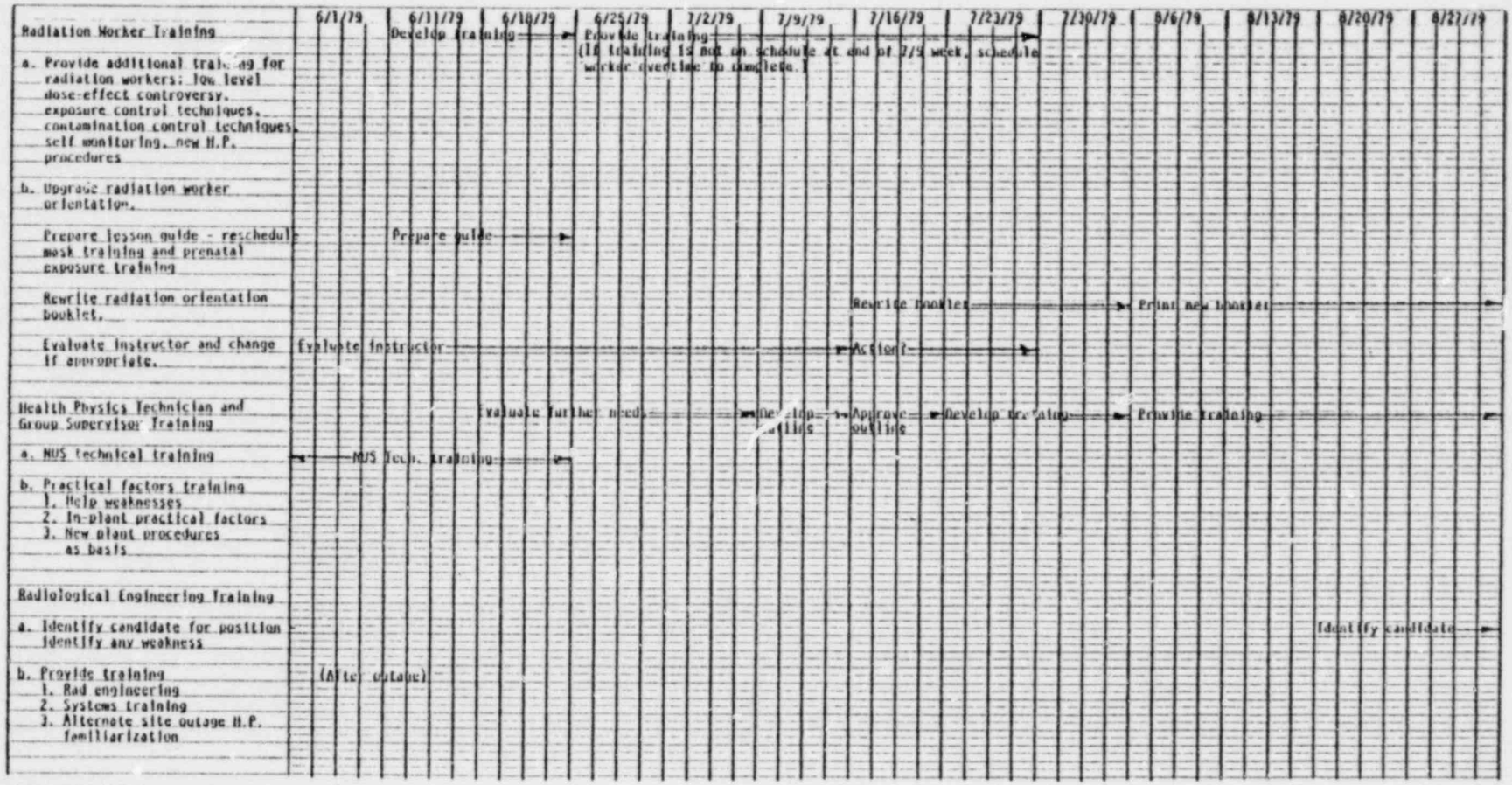
6. Training Page 1 of 2

INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____



ISE TN-75 (4/76)

GENERAL ELECTRIC

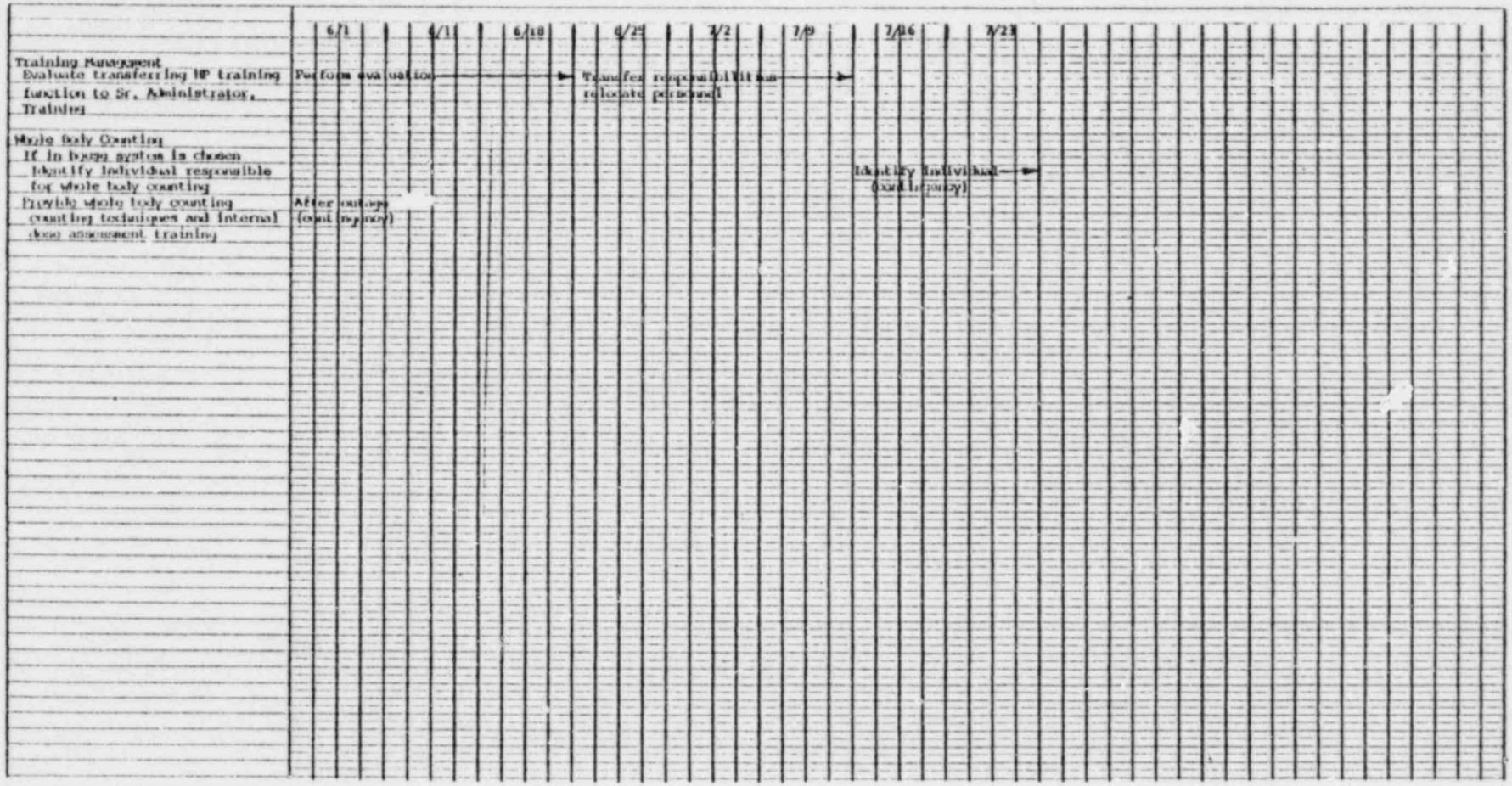
INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____

6. Training Page 2 of 2



ISE TN-75 (4/76)

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____

7. Dosimetry & exposure estimate accounting

	6/1/72	6/11	6/18	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27
1. Teledyne TLD reports Institute cumulative reports	Request & letter → Report form		Give Teledyne past exposure histories for cumulative report				← Teledyne into into system →						
2. Rep cards & bar charts	See exposure control												
3. Remove P.D. chargers & read at guard house	See exposure control												
4. Evaluate parallel exposure estimating systems	See exposure control												
5. Streamline approvals for issuing NRC Form 5's				Change procedure →		Approval →							
NOTE: Dosimetry Program evaluation partially complete													

ISE TN-75 (4/70)

GENERAL ELECTRIC

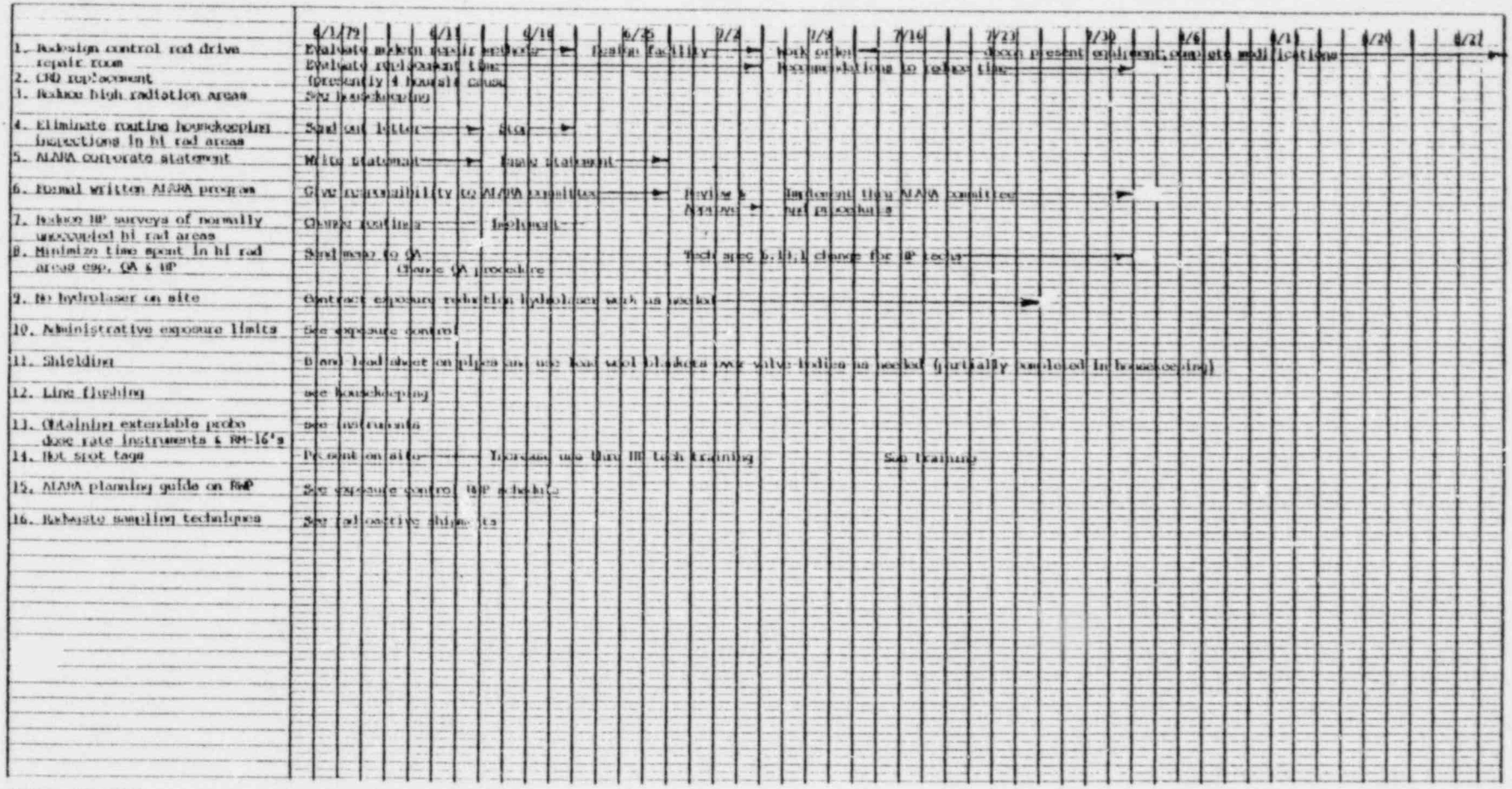
8. Radiation Work Preplanning
9. ALARA

INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____



ISE TN-75 (4/76)

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER:

LOCATION:

10. Incident reports

	6/4	6/11	6/18	6/25
Prepare guidelines for investigating & reporting radiation occurrences when required by 10 CFR 20.402-405	Prepare guidelines			
Should include:				
Investigation (critique)				
Critique notes				
Incident report				
Should identify:				
Specific causes				
Temporary corrective actions taken at time				
Permanent corrective actions & due dates				
Each cause should be thus corrected				
Should include				
survey results				

ISE TN-75 (4/76)

GENERAL ELECTRIC

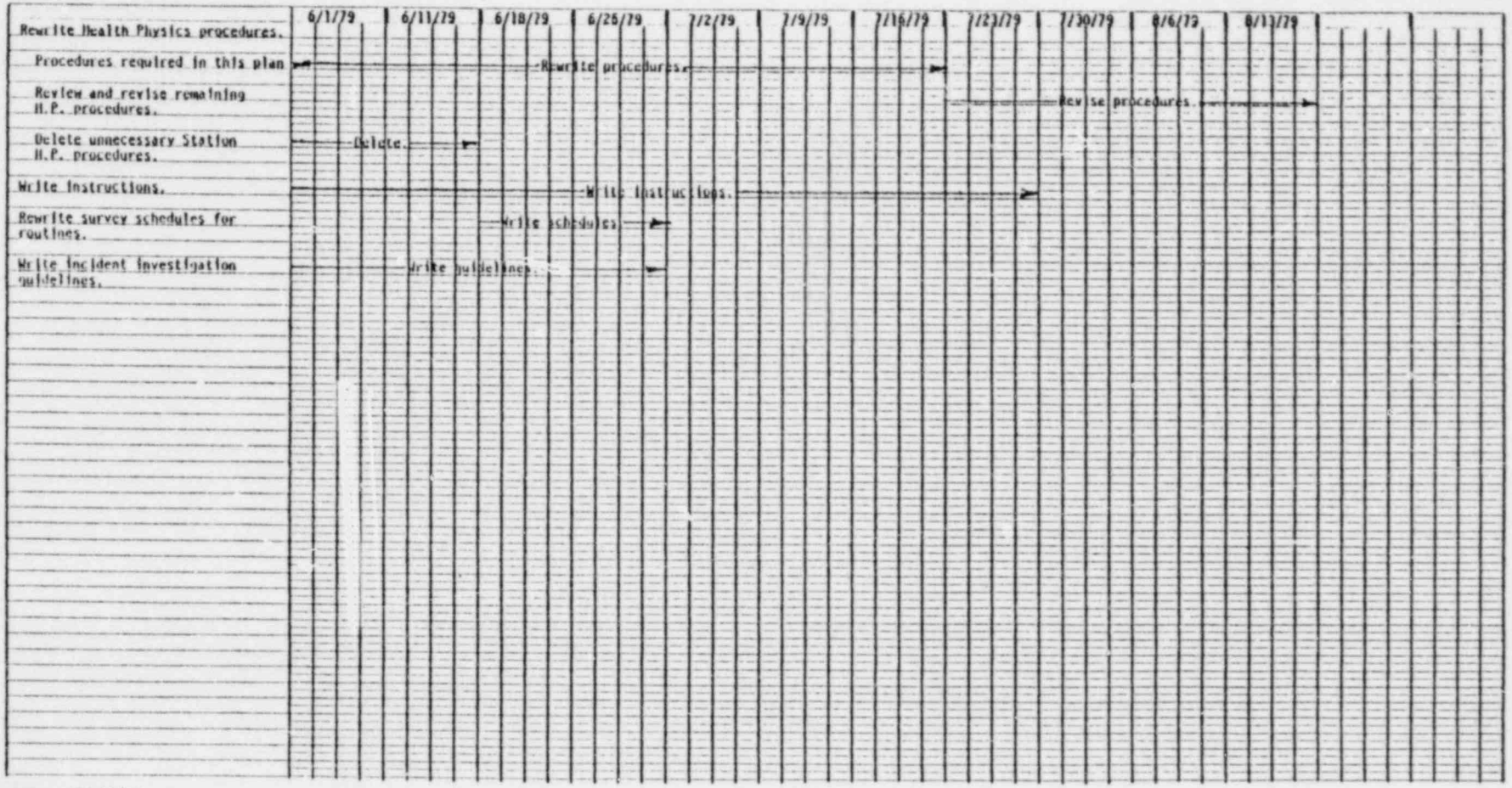
11. Health Physics procedures, routines, guidelines, and instructions.

INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____



ISE TN-75 (4/76)

GENERAL ELECTRIC

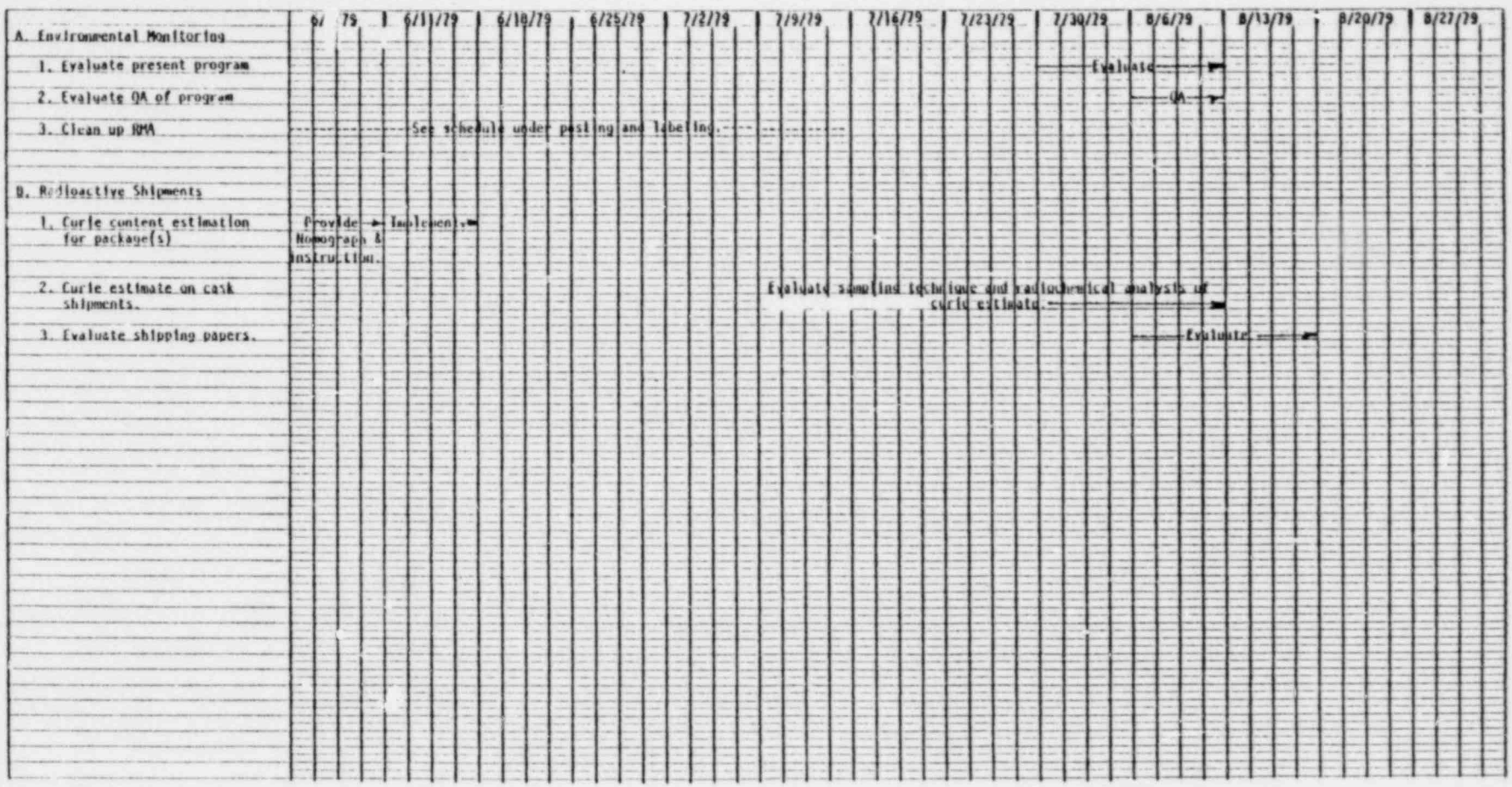
12. Environmental Monitoring and
13. Radioactive Shipments

INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER:

LOCATION:



ISE TN-75 (4/76)

GENERAL ELECTRIC

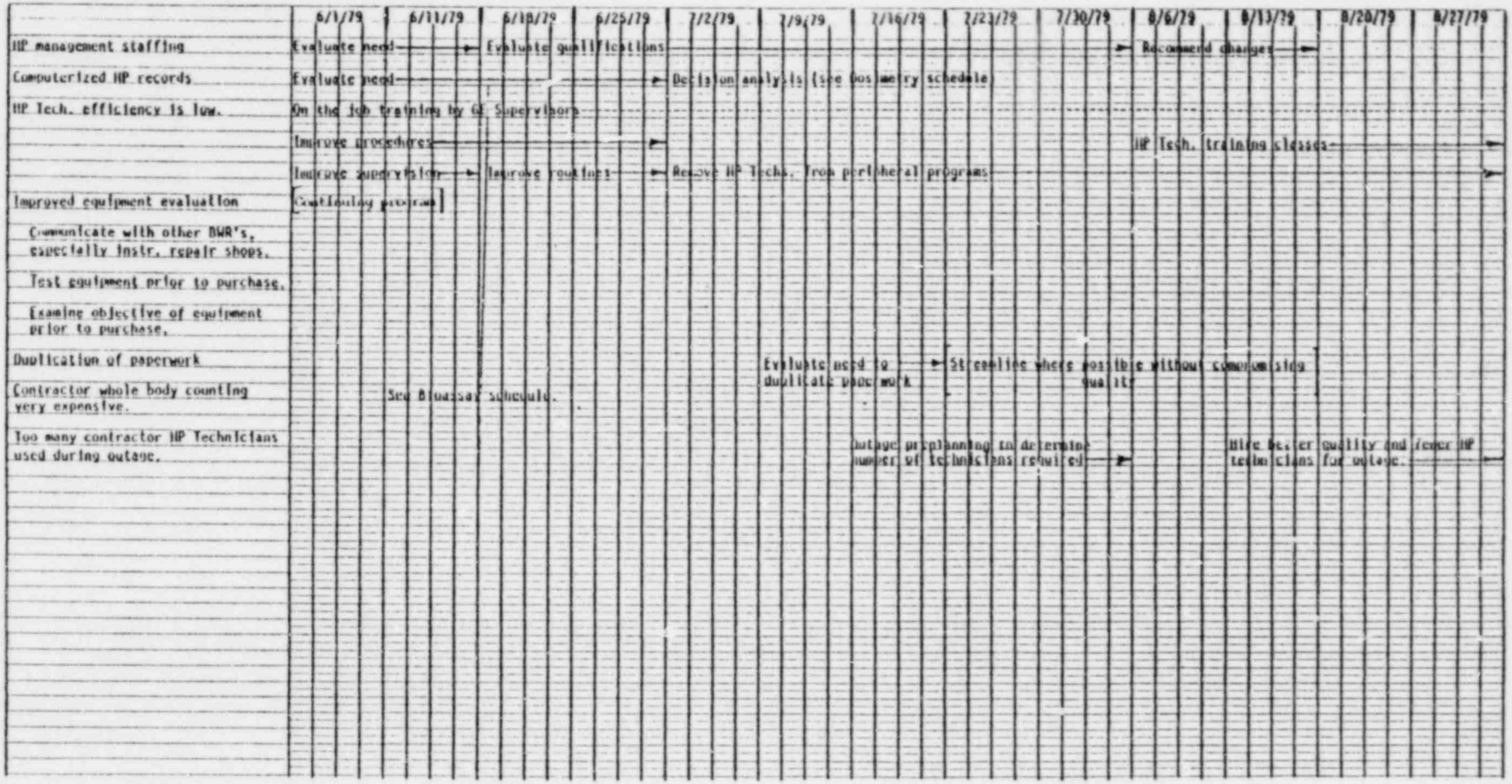
14. Cost Control

INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER:

LOCATION:



ISE TN-75 (4/76)

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

WORK SCHEDULE

CUSTOMER: _____

LOCATION: _____

15. Miscellaneous

	6/1/79	6/11	6/18	6/25	7/2	7/9	7/16	7/23	7/30	8/6	8/13	8/20	8/27
1. Follow up housekeeping instructions	Write letter →		[Reporting each week to perform weekly inspections and monthly inspection by Station Superintendent]										
2. Reduce emphasis on HP procedure "violation" punative actions	Rewrite orientation booklet (see training schedule)												
3. Follow up of health physics concerns thru chain of command	Prioritize follow up of corrective actions →												

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