



DEPARTMENT OF THE AIR FORCE

832D MEDICAL GROUP (TAC)
LUKE AIR FORCE BASE, AZ 85309-5300

REPLY TO
ATTN OF: SGPB (MSgt Grandberry, 7521)

9 Oct 87

SUBJECT: Disposal of PAC-LEI Solvent

TO: 58 EMS/MAED
MSgt Kitchel

1. As requested by your shop per current Air Force directives, a sample of PAC-LEI solvent was collected and sent for analysis.
2. The sample was tested for heavy metals and other elements that would cause harm to the environment, thereby causing this chemical to be classified as a hazardous waste.
3. Laboratory Results: Analysis indicated this chemical is not a hazardous waste, and therefore it can be disposed of by simply dumping it into the sanitary sewer system.
4. If we can be of any further assistance, just call us.

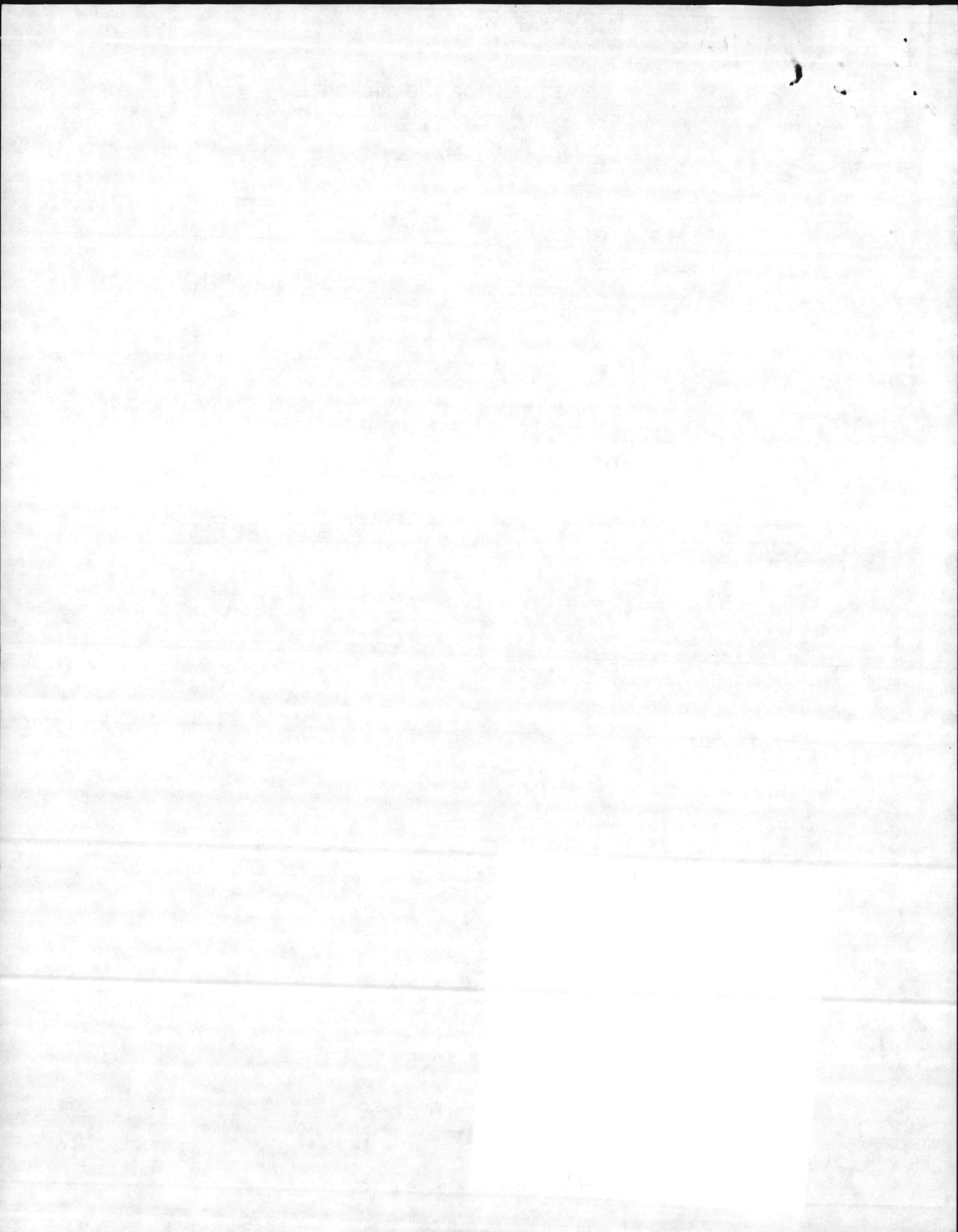
Jesse D. Humbert
JESSE D. HUMBERD, Major, USAF, BSC
Chief, Bioenvironmental Engineering Svs

1 Atch
Laboratory Report

For Your Files

9-2-88
John,
For your info. This
review and determination
shows a successful
effort for HW minimization.
You may file it or
return it.
Tom,

Readiness is our Profession





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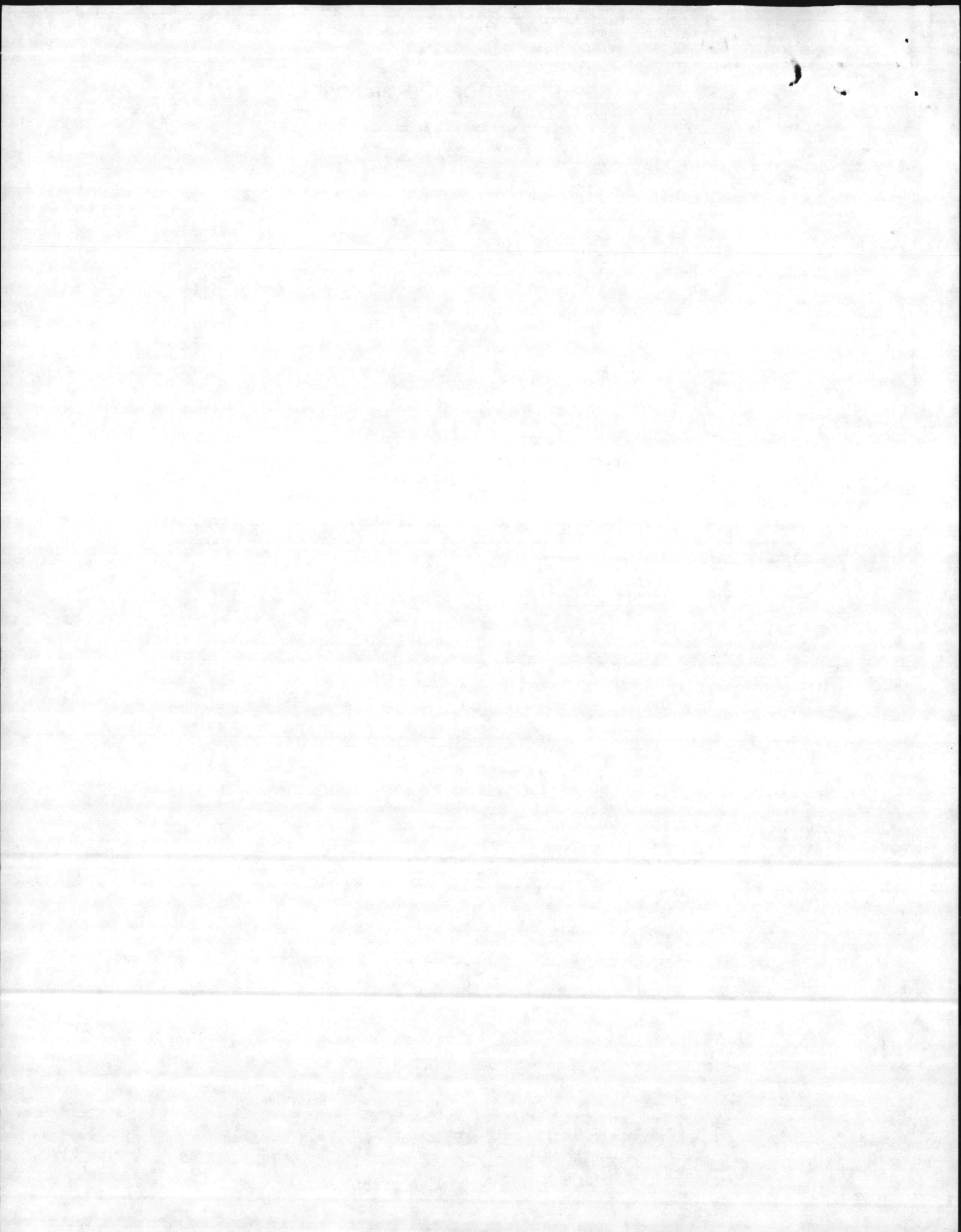
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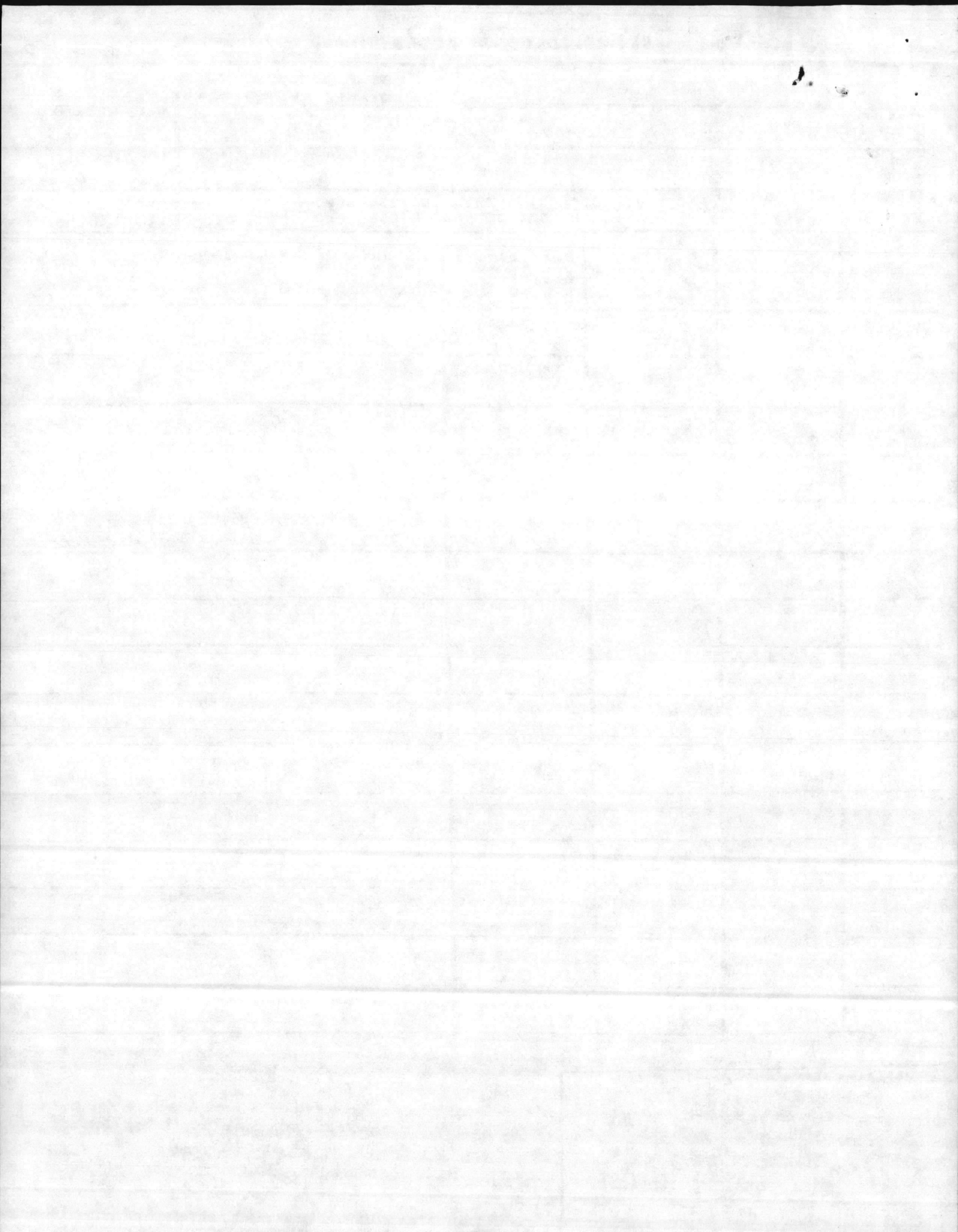
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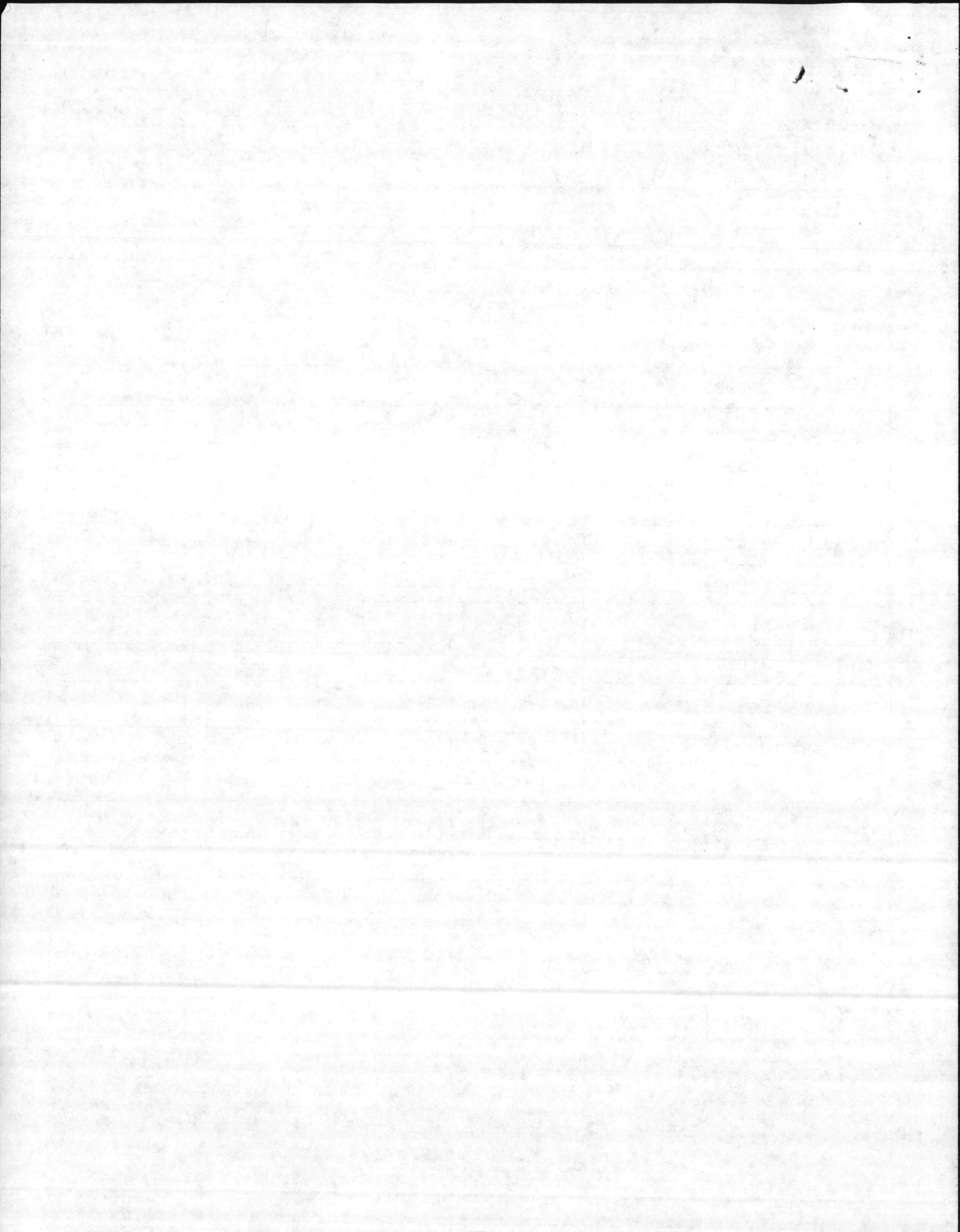
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Laboratory Report

For Your Files







**USDA
APPROVED**

**100% SAFE
CLEANER/
DEGREASER**

DNB DISTRIBUTORS, INC.

WAREHOUSE DISTRIBUTORS FOR LEI PRODUCTS

A Bidders Mailing List Application (Form 129) has been submitted to Base Contracting Office introducing to the Federal/Military Agencies **PAC-LEI**, a cleaner/degreaser solution which is a colloidal suspension agent, manufactured by Legal Environmentalists, Inc.

PAC-LEI is formulated for use in the environmental areas with daily cleaning/degreasing problems. It is a homogenous blend of hyper wetting agents, sequesterants, and colloids. When mixed with hard, soft, or salt water, it becomes charged and a hyper active cleaning agent. It contains no petroleum solvent, nor is it a "soap" or "detergent."

The action of **PAC-LEI** on grease, oil, animal fats, etc., is accomplished by emulsion; thus destroying the molecular bond of hydrocarbons. Oils and greases lose their identity and become a water soluble solution. **WATER IS YOUR CLEANING AGENT.** The residue is sewer disposable. **PAC-LEI** eliminates odors, cleans grease traps, drain lines etc., plus reducing plumbing costs and fire hazards. No special clothing, gloves, goggles, handling or storage required. A cleaner/degreaser that is 100% safe everywhere. It is biodegradable and environmentally safe. Grease is its enemy, wherever it may be. Not only in the kitchen, galley, scullery, but on a ship, tank, aircraft, etc. **Effectively cleans fuel spills, 20mm guns, complete suspension equipment parts, and F-16 ammo load systems. Perfect for VAT operations.**

Why **PAC-LEI**? Check the benefits! **It's safe, cost effective & odorless.**

BASIC DILUTION RATIOS	
USE	WATER/PAC-LEI
Heavy Cleaning	10/1
Average Cleaning	20/1
Light Cleaning	30/1

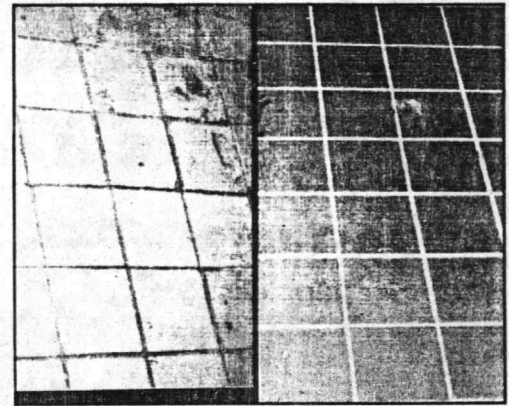
COMPLIES WITH OSHA 29-CFR-1910-1200

SAFETY
NON-HAZARDOUS
NON-TOXIC
NON-CAUSTIC
NON-FLAMMABLE
NON-FUMING
NON-POLLUTING
SEWER DISPOSABLE
NO FLASH POINT
PH ▶ 10
BIODEGRADABLE
WATER SOLUBLE

FREQUENT USES
HOODS - VENTS - FLUES
STAINLESS - PLASTICS
FOOD AREAS - DECKS
FILTERS - SCREENS
WOOD - FIBRE GLASS
FLOORS - WALLS - PAINT
TANKS - BILGES - STACKS
HULLS - COWLING
PRESSURE SYSTEMS
POTS - PANS
DISHES

PAC-LEI SAYS "NO" TO
PHOSPHATES - NITRATES
NTA - ENZYMES
SULPHATES - CAUSTICS
SILICATES - SULFONATES
BUTYL - CELLUSOLVE

ELIMINATES
ODORS - MAINTENANCE
PLUGGED DRAINS,
TRAPS, LINES
INJURIES - CHEMICAL BURNS



BEFORE

AFTER

Current Product Information & Prices (JAN. 1, 1987)

QUANTITY	P/N	PRICE/GAL	PRICE/CASE	WT	FREIGHT CONTINENTAL USA
4 GALLON CASE PACK	PL-4	\$11.50	\$46.00	34 LB	FOB DESTINATION
5 GALLON PAIL	PL-5	10.00	50.00	42 LB	FOB DESTINATION
55 GALLON DRUM	PL-55	8.00	440.00	465 LB	FOB DESTINATION

TERMS: 1% - 20 DAYS, NET 30 TIME OF DELIVERY - 15 DAYS MSDS - Material Safety Data Sheet (OSHA 20) Available Upon Request Minimum Order (1 unit-Case-Pail-Drum)	Ordering Address/Payment Address DNB DISTRIBUTORS INC. P.O. Box 626 Tolleson, AZ 85353-0626	CLASSIFICATION: Small Business - Woman Owned MILSCAP #62684 DUNS #000003366
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------

ARMY/AIR FORCE
Luke AFB, AZ
Beale AFB, CA
George AFB, CA
Eglin AFB, FL
Tyndall AFB, FL
Moody AFB, GA
Mt. Home AFB, ID
Holloman AFB, NM
Lackland AFB, TX
Ft. Irwin, CA
Ft. Riley, KS

"Already a Military Favorite"

DNB DISTRIBUTORS, INC.
9386C WEST VAN BUREN, P.O. BOX 626
TOLLESON, AZ 85353-0626

NAVY/MARINE
NAS, Alameda, CA
Lemoors NAS, CA
NAVSUB Base, Bremerton, WA
MCLB, Barstow, CA
U.S. FEDERAL AGENCIES
GSA Saudi Arabia -
American Embassy
USDA, Jacksonville, FL
US Fish & Wildlife, MI

602-936-5374 *"DNB has a Better Solution"*

Bulk Rate
 U.S. Postage
 PAID
 Tolleson, Arizona
 Permit No. 30

DNB DISTRIBUTORS, INC.
 P.O. Box 626
 Tolleson, Arizona 85353-0626

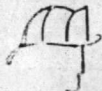
USDA APPROVED

PAC-LEI: A Colloidal Suspension Agent

100% SAFE
CLEANER/
DEGREASER

PUT A WINNER IN THE KITCHEN AND THE CHAIN OF COMMAND AT EASE!

FIRE INSPECTIONS



GREASE PROBLEMS ?



HEADACHES ???



PAC-LEI

- Complies with OSHA 29-CFR-1910-1200
- U.S.D.A. Approved
- A Military Favorite
- State Agencies - VA Hospitals
- Schools - Restaurants
- Is Your Answer

PAC-LEI — “Your Helper in the Kitchen as well as Industrial/Marine areas”

- 100% “people safe” colloidal suspension agent cleaner/degreaser.
- Emulsifies grease, oils, mineral fats, grime, etc.
- Eliminates odors, plumbing problems, fire hazards, plugged grease traps, lines, sumps.

BIODEGRADABLE
ENVIRONMENTALLY SAFE

PAC-LEI IS COST EFFECTIVE – SAFE

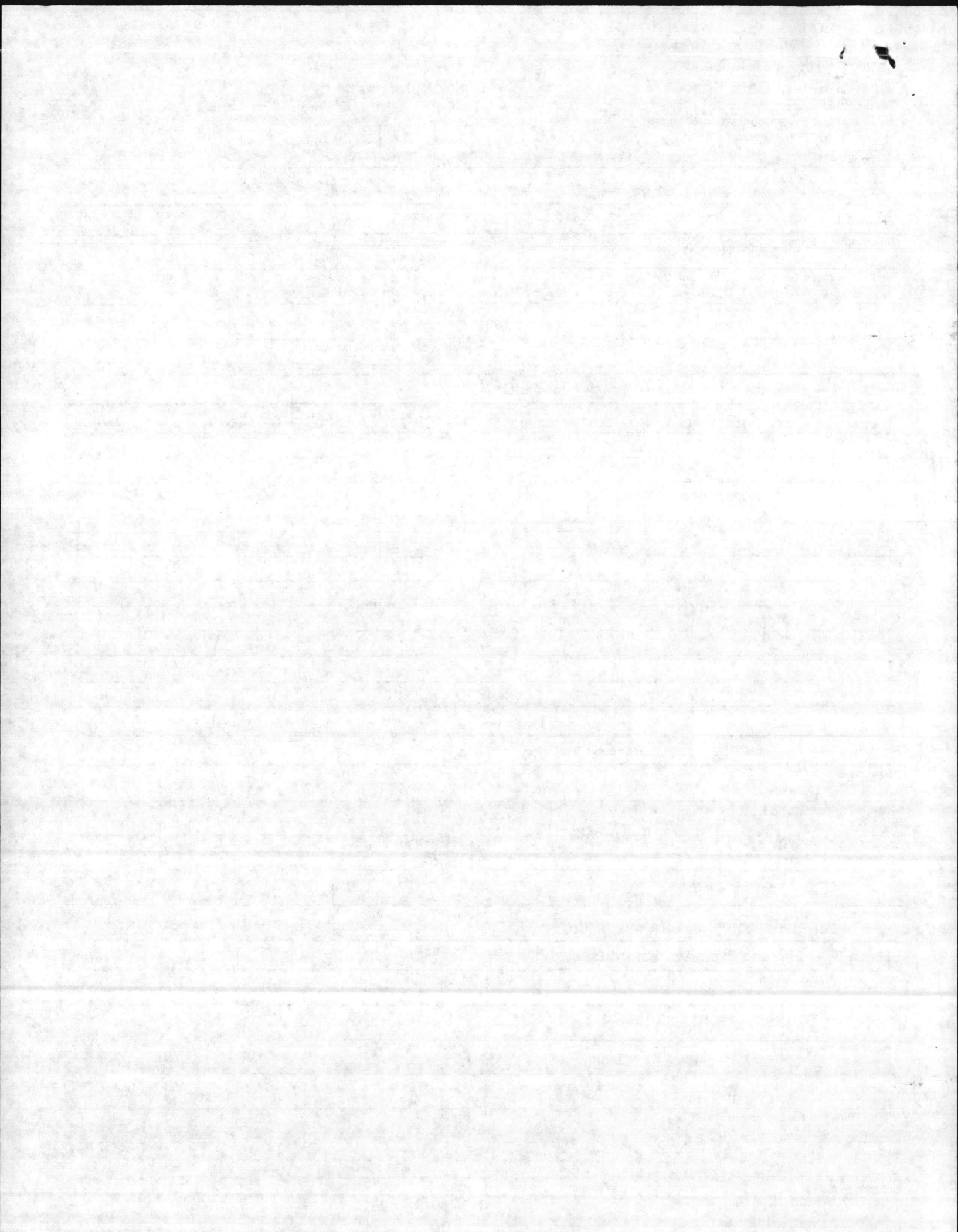
USDA APPROVED
MADE IN U.S.A.

ATTENTION: SUPPLY OFFICER

A major problem exists in every food facility, industrial shop, etc., with the daily buildup of grease, its dangers and its disposal. After visiting over 200 military bases, the question came up repeatedly at every fire department, “have you got a safe cleaner that will emulsify grease and rinse down the sewer without plugging it?” The answer is YES! For only \$46.00 (4 gallon case pack) freight prepaid, you will find the answer to your grease problems, and your fire department will love you. Send in your order today!

DNB DISTRIBUTORS, INC.
 9386C WEST VAN BUREN, P.O. BOX 626
 TOLLESON, AZ 85353-0626

“DNB has a Better Solution”



Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid NONE
	Stable X		

Incompatibility (Materials to Avoid) NONE

Hazardous Decomposition or Byproducts NONE

Hazardous Polymerization	May Occur		Conditions to Avoid NONE
	Will Not Occur X		

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? N/A Skin? N/A Ingestion? N/A

Health Hazards (Acute and Chronic) NONE

Carcinogenicity: NONE NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A

Signs and Symptoms of Exposure NONE

Medical Conditions Generally Aggravated by Exposure NONE

Emergency and First Aid Procedures NONE NECESSARY

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
SPILL AREA COULD BE SLIPPERY, FLUSH WITH WATER.

Waste Disposal Method NORMAL SEWER DISPOSAL METHODS.

Precautions to Be Taken in Handling and Storing NONE

Other Precautions
IF EXPOSED TO LOW TEMPERATURES, PRODUCT MAY STRATIFY.
IF SO, MIX BEFORE USING.

Section VIII — Control Measures

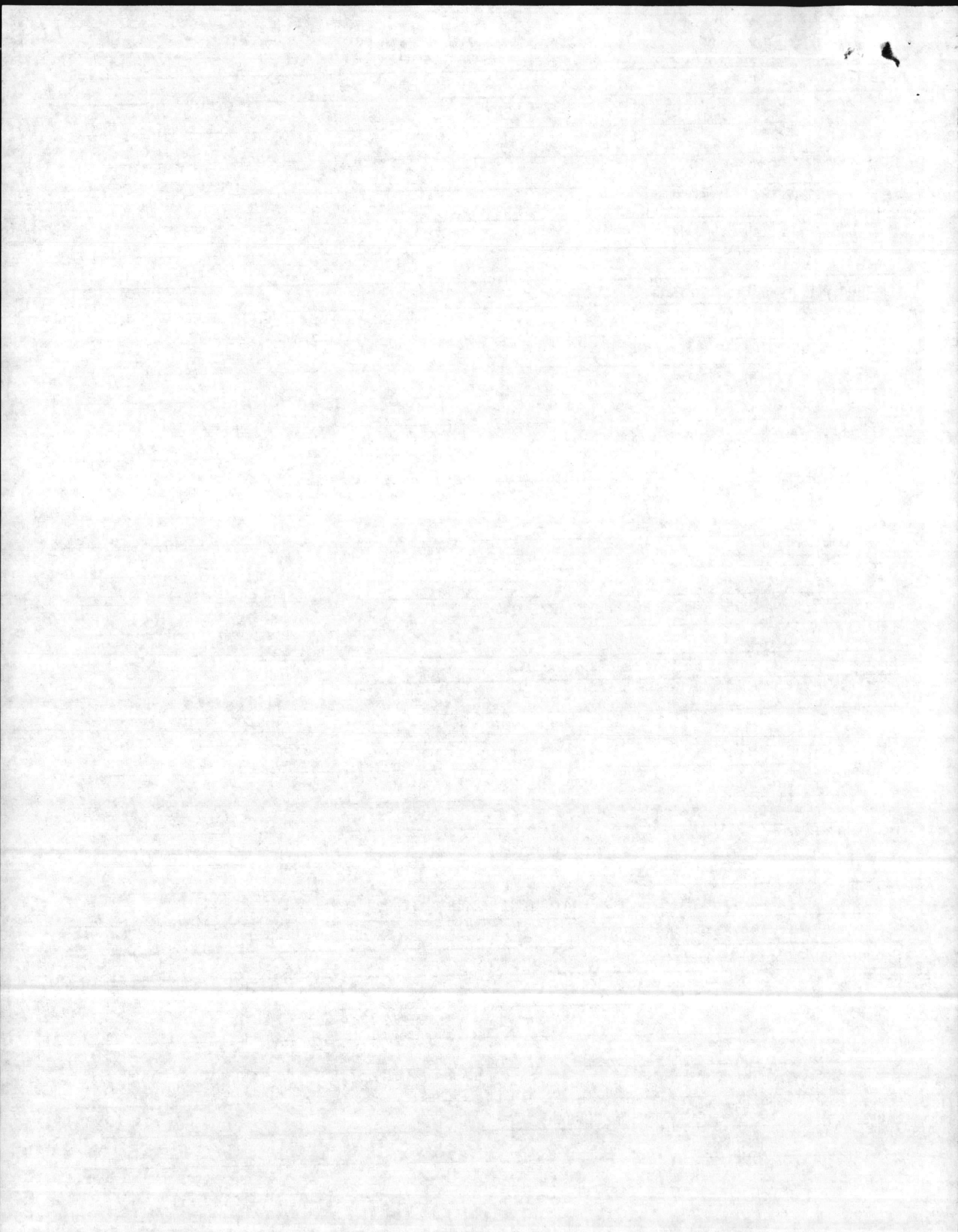
Respiratory Protection (Specify Type) NONE

Ventilation NORMAL	Local Exhaust	Special
	Mechanical (General)	Other

Protective Gloves NONE NECESSARY Eye Protection NONE NECESSARY

Other Protective Clothing or Equipment NONE NECESSARY

Work/Hygiene Practices NORMAL



COPPER STATE ANALYTICAL
LAB, INC.



ARIZONA STATE CERTIFIED LAB NO. 0078

710 E. EVANS • TUCSON, AZ 85713

PH. (602) 884-5811 PH. (602) 797-0788

D.A. SHAH
REGISTERED ASSAYER
AZ REG. # 0000

Legacy Environmentalists, Inc.

P.O. Box 24831
Tempe, Arizona 85282

ATTN: Mr. Wally Bindig

Copy To:- Lt. Legendre
Laboratory Report

Lab Id No. :-13695

Location :-Pac-Lei

Date Received :-11/11/87 Type of Sample :-N/A

Date Reported :-11/23/87 Date of Sample :-11/11/87

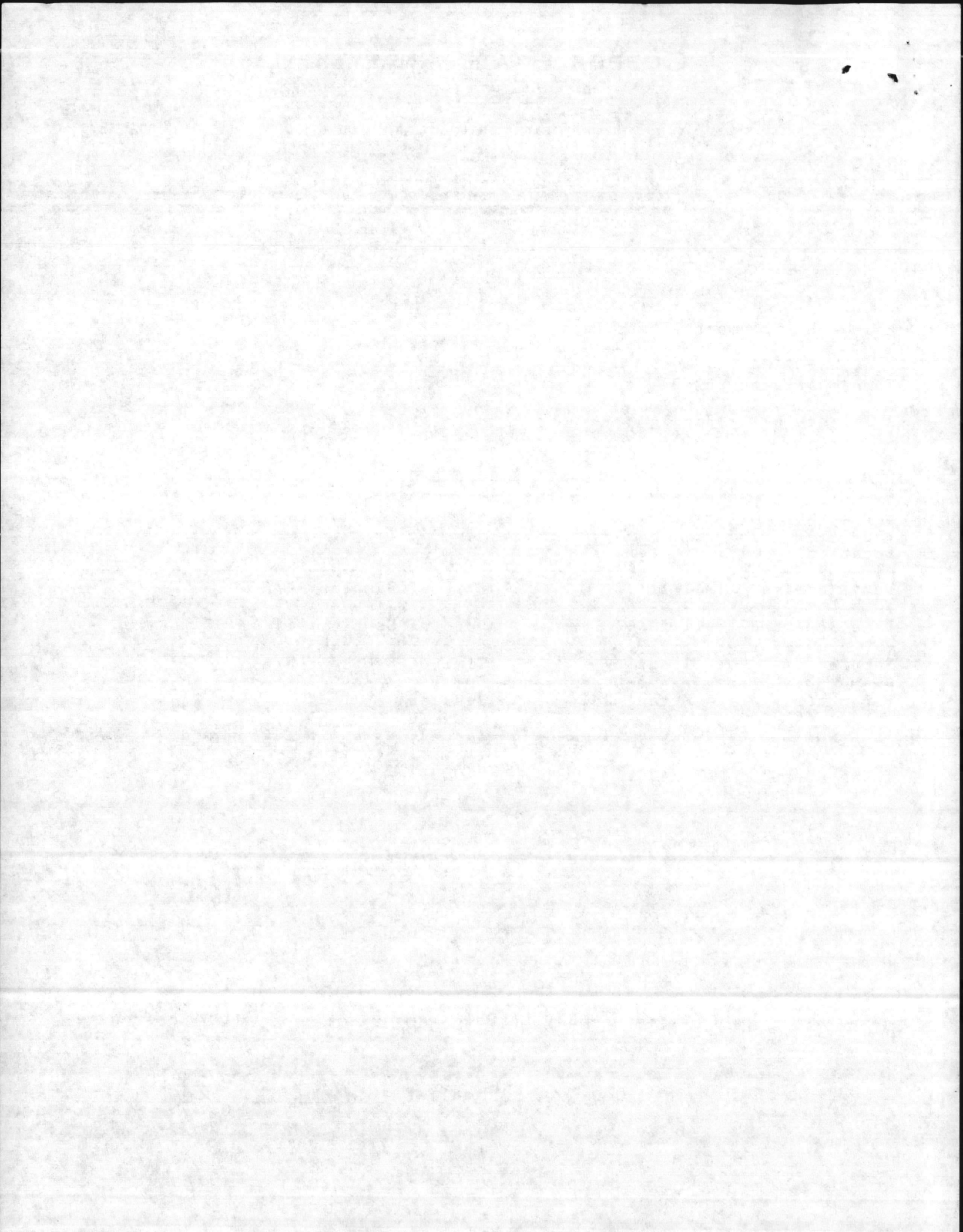
Sampled By :-Client Time of Sample :-N/A

Parameters Method No. Results
 Mgs/L

Total Phenol 420.1 0.011.

-----END REPORT-----

Analyst D.A. Shah



T O PUBLICATION CHANGE REQUEST

DATE 9 July 87

1. TO **MMEDT** 2. FROM **MMIRGA**

3. PUBLICATION NUMBER **35D30-4-10-1** 4. PUBLICATION DATE (Basic) **15 July 82** 5. PROJECT NUMBER (S) **20T0058TTW 7106R**
 LATEST CHANGE DATE AND NUMBER

6. PUBLICATION TITLE **20MM AMMUNITION LOADING SYSTEM Loader Assembly**

7. TYPE TECHNICAL ORDER PAGE SUPPLEMENT SAFETY SUPPLEMENT REVISION OPERATIONAL SUPPLEMENT CHANGE
 8. REPRODUCTION COPY DUE 9. NEGATIVES DUE 10. APPROXIMATE COST

11. SAFETY REVIEW (OSHA) 12. 13. HARDNESS CRITICAL ITEM YES NO N/A

14. FOREIGN DISCLOSURE (FDPO) **N/A X Coded** 15. AFSC **423X5** 16. RGL **8.9** 17. RGL CERTIFICATION **Jesse Vega**

18. REMARKS (including Priority) **MISSION ESSENTIAL** 1730- YZ 19. COORDINATION **NO ENVIRONMENTAL IMPACT ANTICIPATED**

20. FOREIGN DISCLOSURE OF THIS INFORMATION IS AUTHORIZED TO ALL COUNTRIES AUTHORIZED THE BASIC TO: NOT AUTHORIZED.
 RESTRICTED TO: (CIRCLE OR ADD COUNTRY CODE) BE DE NE NO NN IS EG SR AT CN GR GY HK IT JA KS MF MU PI PK SN SP SW SZ TH TK TW UK YS

21. ORIGINATOR'S NAME, OFFICE SYMBOL, PHONE NO., AND SIGNATURE **Jesse Vega**
JESSE VEGA, MMIRGA, 56515 22. APPROVAL SIGNATURE (At appropriate organization level IAW AFLCR 8-4)
Henry J. Hildebrand

23A. PAGE NO. 23B. PARAGRAPH NO. 23C. INSTRUCTIONS (Include below specific paragraph rewording instructions for changing illustrations, new or changed listings in Parts Breakdown, etc.)

22 Table 2-2 Change specification on Table of Consumable Materials, on item which calls for, Solvent, DRY CLEANING FROM P-D-680 TYPE II TO READ:
 PD-680 TYPE II / OR EQUIVALENT
 5-1 5-5 Include in ~~add to~~ The LAST SENTENCE where solvent, P-D-680 TYPE is mentioned the "/OR EQUIVALENT".
 5-47 5-27.a. Include in the FIRST SENTENCE OF THE PARAGRAPH (a.) where solvent P-D-680 TYPE II is mentioned the "/OR EQUIVALENT."

C DISTRIBUTION STATEMENT - Distribution authorized to U.S. Government agencies and their contractors (Indicate reason) Critical Technology Administration or Operational Use Specific Authority

