TOPICAL REPORT
PROGRAM OVERVIEW

Contents

- General Information/ Program Purpose
- Summary of Acceptance Criteria
- Exceptions to Acceptance Criteria
- Review Fees
- Exemptions to Fee Recovery Requirements
- Summary of Review Process Steps

General Information

- Program Purpose

  Increase efficiency of the licensing process and reduce burden on licensees by minimizing the time and resources that industry and NRC could expend on repetitive reviews of the same topic.

- Pertinent Regulations:
  - 10 CFR 170.11
  - 10 CFR 2.390
  - Regulations relevant to the subject matter of the report

- Lead Project Manager (PM) Assigned to program
- Individual PM assigned to vendor/owners groups

Summary of Criteria for Topical Report Acceptance

Must meet all of the following:

1. Report deals with a specific "safety-related" subject regarding a nuclear power plant that requires a safety assessment by the NRC staff or performance testing of components/systems that can be evaluated independently of any specific license application.

2. Report is, or is expected to be, referenced in a number of applications.

3. Report contains complete & detailed info on specific subject presented.

4. NRC approval will result in increased efficiency of the review process.

* See LIC-105, Rev 3 for complete details

Summary of Exceptions to Acceptance Criteria

Reports not meeting all criteria may be accepted if:

1. Results in savings to the industry,
2. Contributes to closing a safety-related subject,
3. Presents advanced technologies that would maintain safety or reduce unnecessary burden.

NOTE: If report does not meet all acceptance criteria, applicant should provide a justification for an exception to the acceptance criteria.

* See LIC-105, Rev 3 for complete details

Review Fees

- TRs normally subject to fees based on full cost of the review (see 10 CFR 170.12(d))
- Average cost per professional staff-hour charged per 10 CFR 170.20.

Method of Payment:

- U.S. Funds
- Electronic fund transfer, check, draft, money order, credit card.
- Payable to U.S. Nuclear Regulatory Commission
- Coordinate payment w/ License Fee and Accounts Receivable Branch, (301) 415-7554

Note: DO NOT send payment to licensing project manager.

Review Fees

Exemptions to Fee Recovery Requirements:

- Case-by-case basis,
- Criteria provided in 10 CFR 170.11(a)(1)(i) – (iii),
- Applicant must provide justification
- If Requested:
  - Must be requested, in writing, and approved before NRC staff review of TR begins, …
  - Unless applicant agrees (in the fee waiver application) to pay the fee if the fee exemption request is denied.

- Fee exemption request should be separately addressed to the Chief Financial Officer (CFO) with copy to the Document Control Desk.

Summary of Review Process Steps

1. Pre-application meeting,
2. Applicant submits report:
   - Address to: Document Control Desk
   - If proprietary info included: submit proprietary version, non-proprietary version, and withholding request with affidavit per 2.390.
3. NRC in-processing
4. NRC Initial Review (~ 45 days)
   - Technical staff acceptance review for completeness
   - Teleconference to establish agreed-upon schedule and estimated costs
   - Fee exemption review (if applicable)
   - Issue Acceptance Letter
   - Issue proprietary determination letter (if applicable)

* See LIC-105, Rev 3, Section 4.2 for complete details

Summary of Review Process Steps

5. Requests for additional information (RAI) transmitted from tech staff to PM,

6. PM coordinates conference calls and issues formal RAI,

7. Applicant responds formally to RAI,

8. Technical staff completes review and sends safety evaluation (SE) to PM,

9. NRC issues DRAFT SE
   - Once draft SE issued, individual licensees may rely on topical report in plant-specific applications

Summary of Review Process Steps

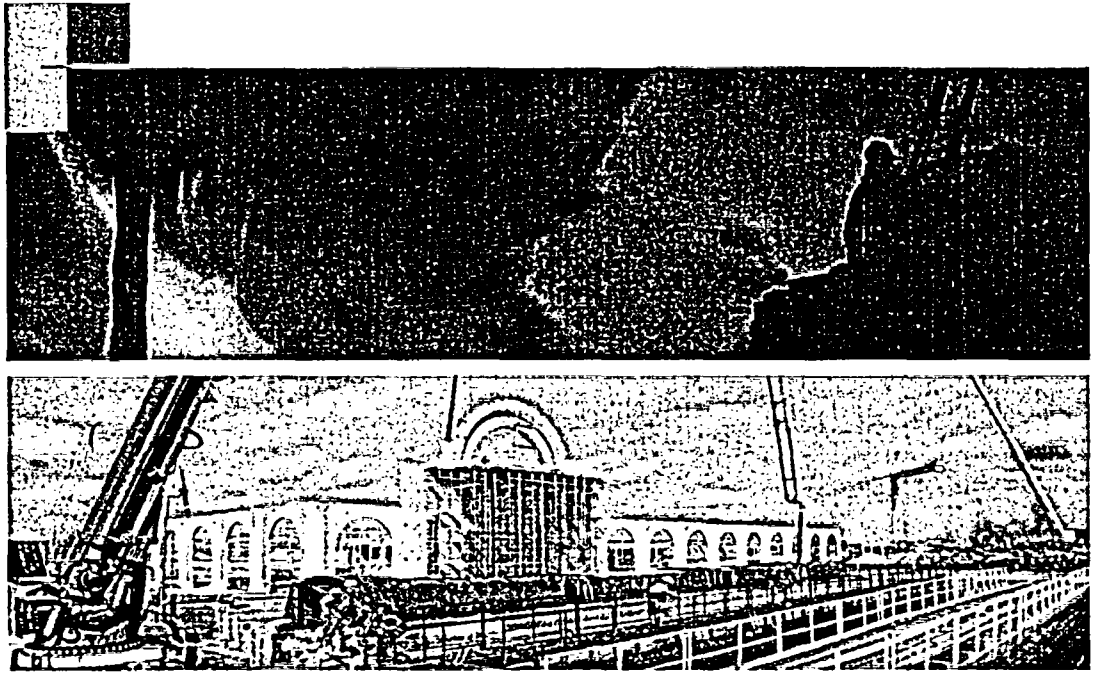
10. Applicant provides comments on draft SE
    - 10 working days for proprietary info,
    - Additional 10 working days for factual errors or clarity issues

    (not a time for presenting new information)

11. NRC staff addresses comments

12. NRC issues Final SE

13. Applicant submits approved version of report (within 3 months)
    - Includes copy of final SE letter, final SE, all RAIs and their responses



The World Leader in Personal Protective Equipment

Bacou-Dalloz

DELTA PROTECTION

Bacou Dalloz and NRC Meeting Objectives

DELTA PROTECTION

-Introduce Bacou-Dalloz/Delta Protection Family to the NRC

-Review Delta Protections Active Participation with the Licensees

-Present Delta Protections Mururoa BLU "Self Fed" Suits

-Review the BLU's Performance

-Establish the Steps, Costs and Timelines for Technical Review and Approval

-Determine time lines regarding "Licensee Use" after NRC Acceptance

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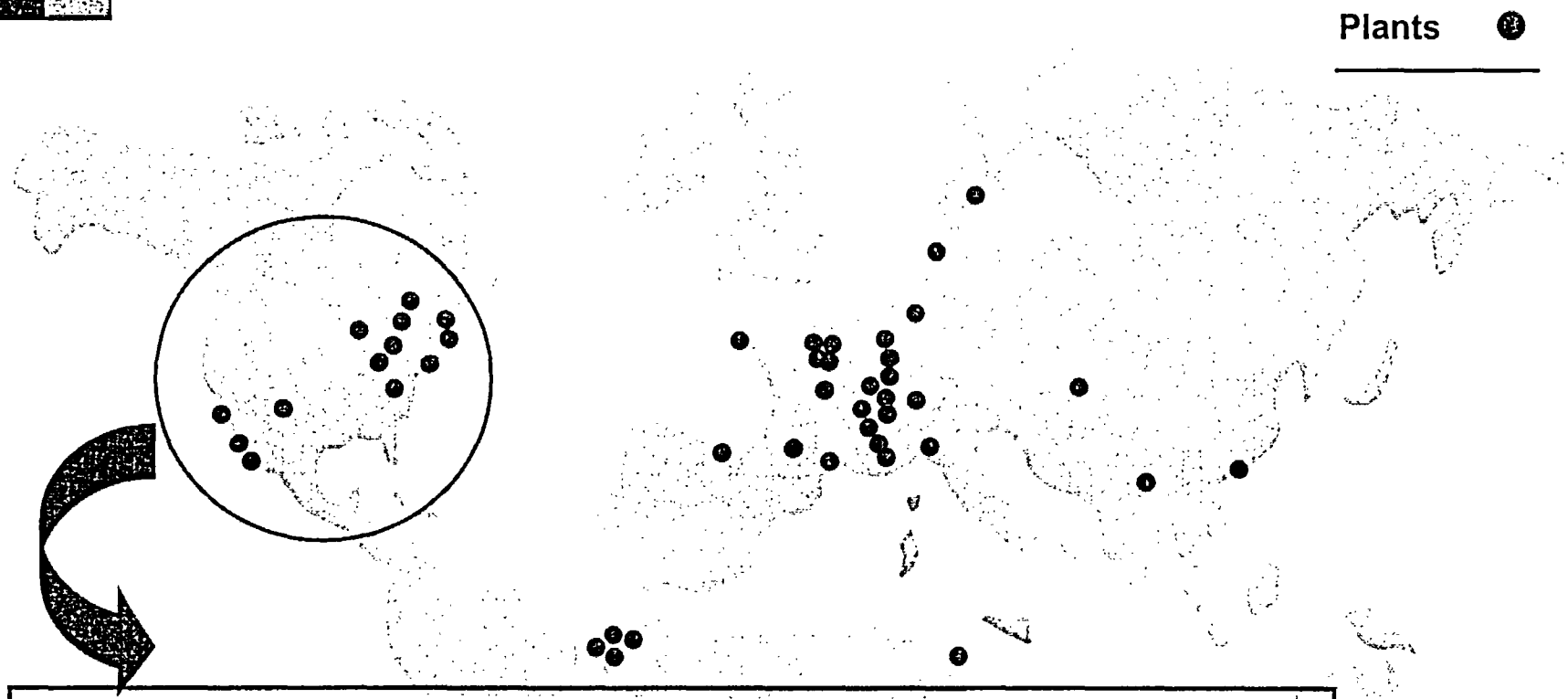
Global Presence

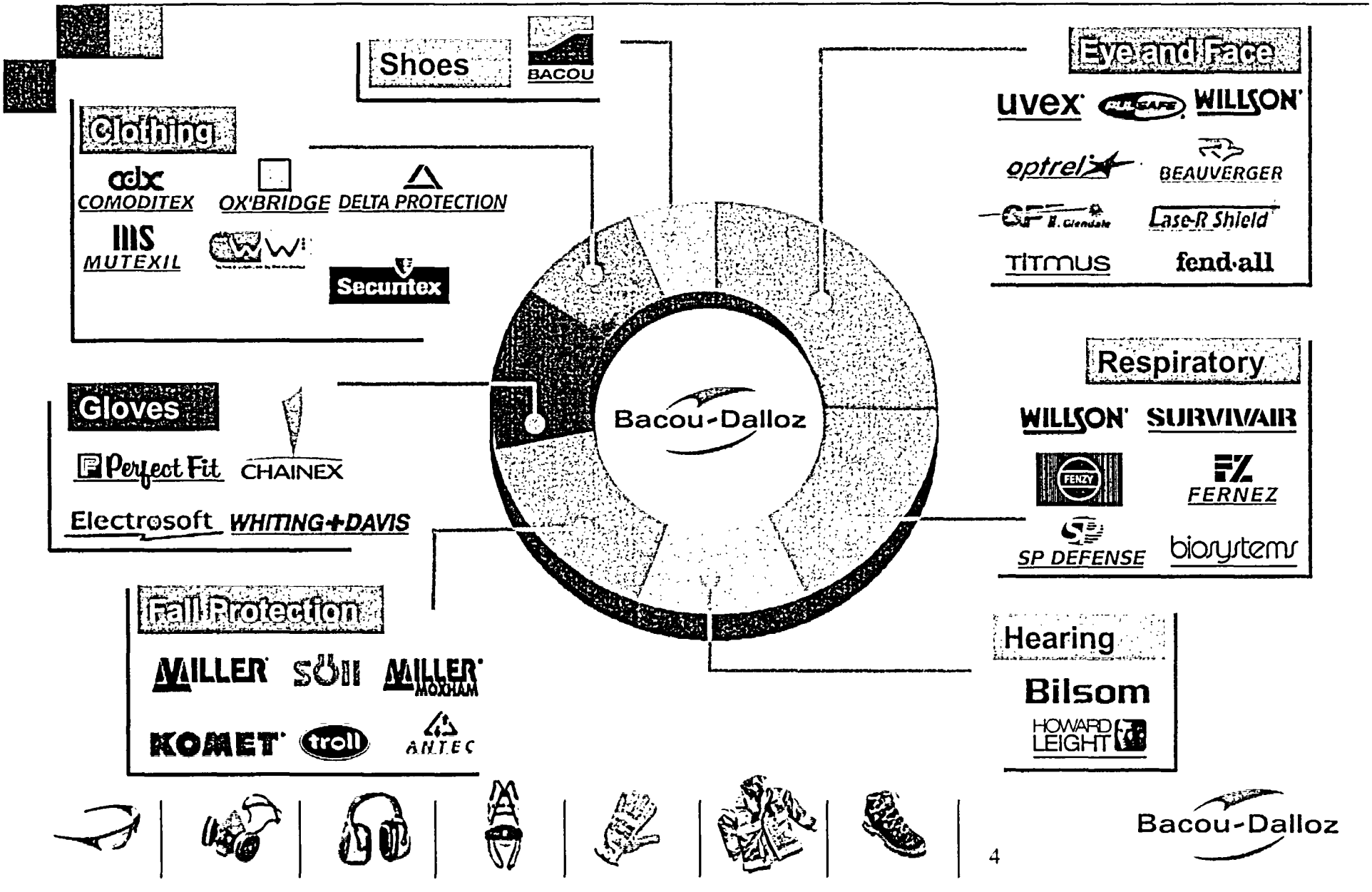


Americas Operations

- Account for a majority of our overall corporate sales and profits
- 13 US based leading brands amongst them: **UVEX**, **Howard Leight** and **Miller**
- 17 locations, spread out over 8 states with over 2,000 employees

Bacou-Dalloz

Strong Brand Portfolio



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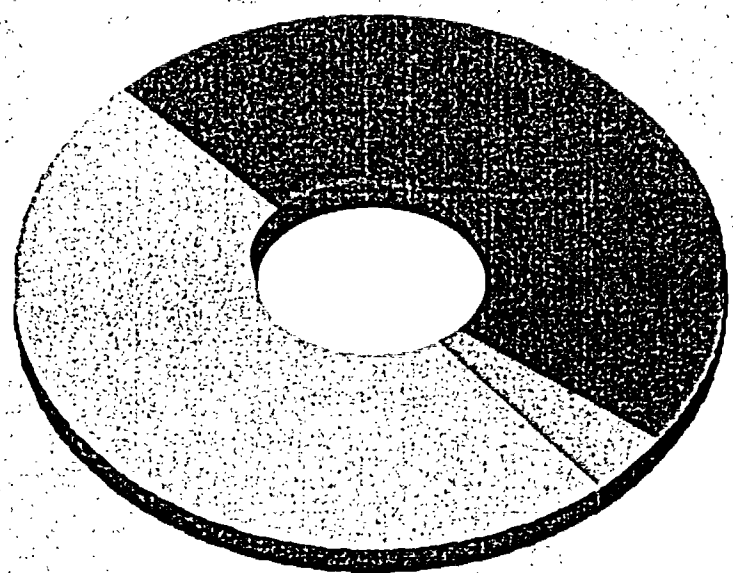
Sales by region in 2004



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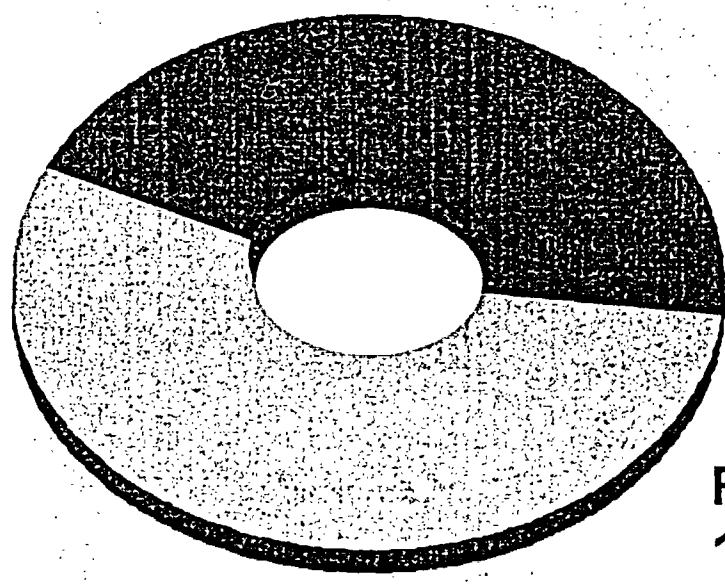
Geographical breakdown of employees

Western Europe
45%

North America
43%



Rest of the World
12%







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Bacou Dalloz in the Americas

DELTA PROTECTION

I have been working with Bacou-Dalloz for over 12 years.

Was responsible for business development of Securitex Inc.(PPE Firefighters) since 1992.

Accepted the position of Business Development Manager for Delta Protection for the Americas in Dec '03

A multi-national company with world wide resources

Bacou-Dalloz

Delta Protection Worldwide

DELTA PROTECTION

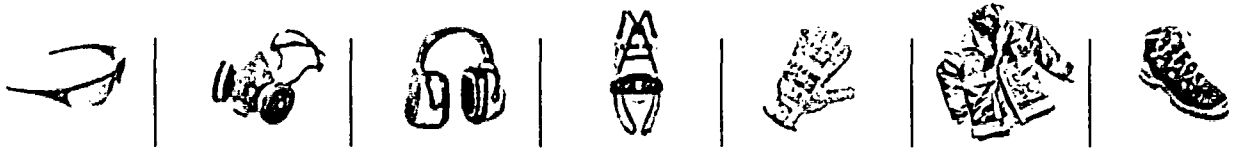
World's Premier Supplier of Anti-Contamination Clothing for 30 years

100,000 Encapsulating Suits 50,000 Hoods Manufactured Annually

ISO 9001 Registered

Over 90% of the products are Nuclear Fuel Cycle specific.

Target markets are Nuclear, Biological, Pharmaceutical, Hospital



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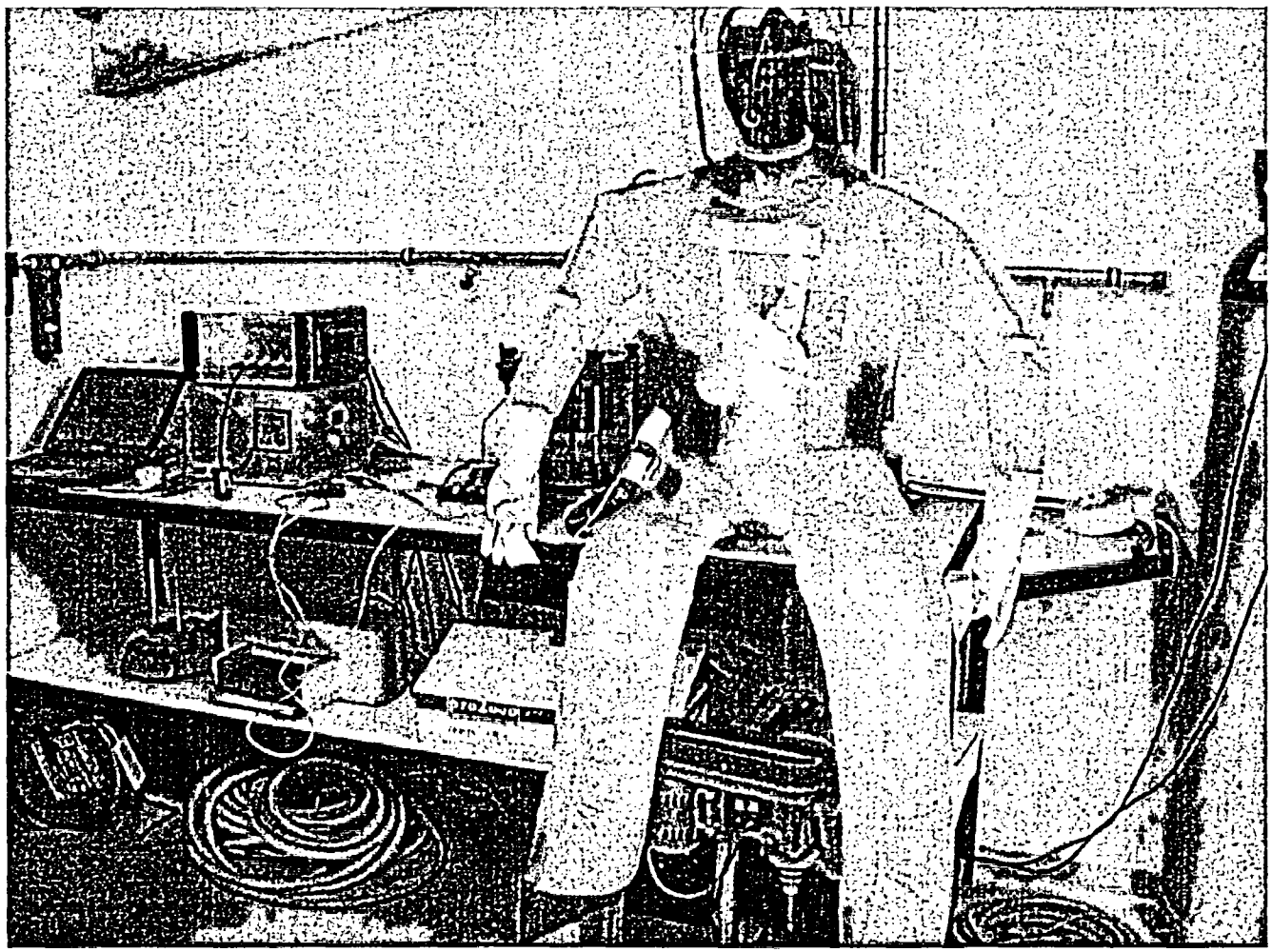
Delta Protection Manufacturing

Bacou-Dalloz

Research and Development



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Delta Protection Americas "Resource Focus, Key Accomplishments"

DELTA PROTECTION

Commercial Power Plant Industry

Sustained, consistent sales and marketing efforts for 2 years

Established Key Distribution Support Mechanism (Frham Safety)

Overwhelming success in the commercial power plant industry

Some 50% of reactor sites have received NRC approval for use.

Spring outage power plant use was approximately 40%

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Power Plants that Are Using Our Suits

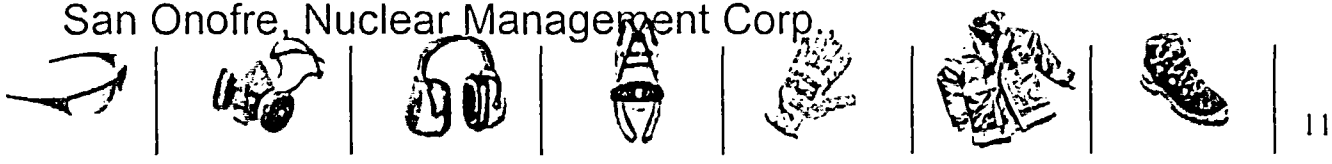
Duke Power , Exelon

Entergy South , First Energy

Florida Power and Light , Progress Energy

Tennessee Valley Authority , Dominion

San Onofre, Nuclear Management Corp.



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Delta Protection Americas
Diversification

DELTA PROTECTION

Biological Level 4 Laboratories

-Center for Disease Control (Atlanta, San Antonio, Winnipeg)

USAMRIID in Fort Detrick MD

-National Institute of Health, Rocky Mountains, Montana, Bethesda.

Pharmaceutical Market

-GENPHARM

-APOTEX

_PFIZER







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What to Use in "High Risk" Environments

DELTA PROTECTION

Implement a "total systems solution approach" Based on four (4) distinct quadrants

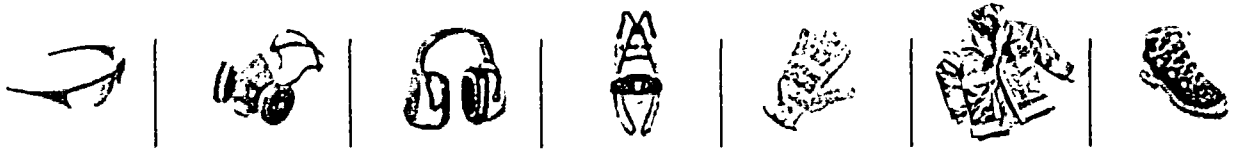
-1) Respiratory Protection (less Risk)

-2) Contamination/Cross Contamination Control

-3) Heat Stress Reduction (full body Cooling)

-4) Manpower utilization efficiency (eliminate standby rescue person), high speed dress outs

-Encapsulating Suit System represents the total solution



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Delta Protection Mururoa Positive Pressure Single Use Encapsulating Suits

DELTA PROTECTION







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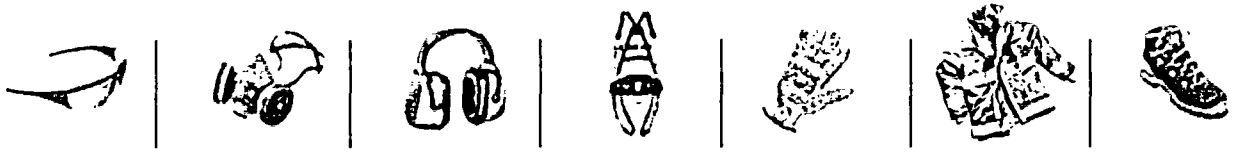
Delta Protection MTH2 Positive Pressure Single Use Encapsulating Suits

DELTA PROTECTION



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Delta Protection Positive Pressure Encapsulating Suits (Advantages)

DELTA PROTECTION

- Uncompromised full body cooling Reduces heat stress
- Highest Level of Respiratory Protection.
- High Speed donning and doffing < 3 minutes
- No interface concerns (encapsulating)
- Unique exclusive undressing strip eliminates nuisance contamination events.
- Lightweight with high mobility
- Ergonomically designed for maximum mobility
- Exceptional Field of Vision

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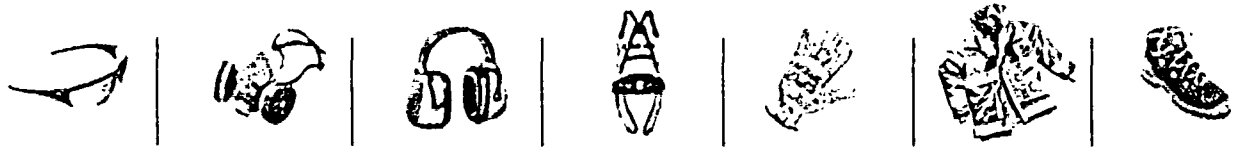
Delta Protection Positive Pressure Encapsulating Suits (Options)

DELTA PROTECTION

- Harness Sleeve for Scaffolding Applic.
- "DeltaFlow" smart valve for pressure variations 35-100 PSI
- Available with HEPA filter prior to distrib. manifold to reduce contamination risk when connecting/disconnecting.
- Rigid Ring at Cuff for Customer Gloves
- Welded Boots
- Alternative Fabrics and colors



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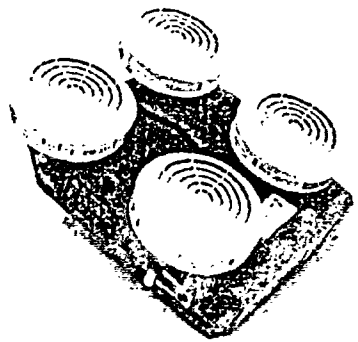
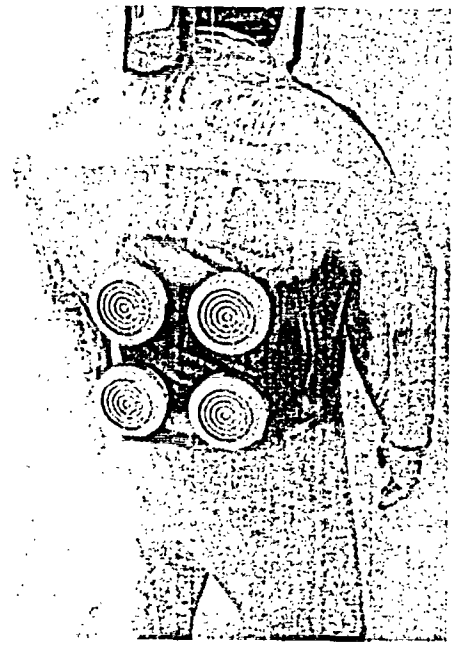
Delta Protection BLU Positive Pressure Self Fed Single Use Encapsulating Suits

DELTA PROTECTION





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Delta Protection BLU Positive Pressure Self Fed Encapsulating Suits

DELTA PROTECTION

- The best of both worlds (SAR, suits and PAPR)
- Full body protection and cooling
- Resistant Free Breathing
- Very high Protection Factor >20,000
- Two speed air supply (4 or 8 hour usage)
- Blower unit is protected from the environment
- 4 liquid and solid particle cartridge system for maximum protection
- Designed for mobility in highly contaminated environments (no supplied air)

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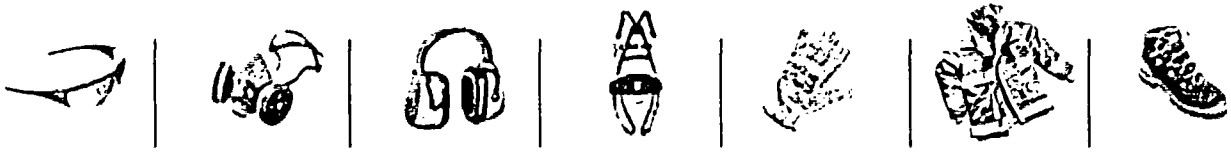
Delta Protection BLU Positive Pressure Self Fed Suit Blowing Unit

DELTA PROTECTION

- Rechargeable NIMH (over 500 cycles)
- Recharging Time of 7 hours
- Long Life Brushless Motor (Lifetime)
- Patented Constant Air Flow System
- Alarms for low battery and low flow
- 4 hour usage at 21 CFM air flow



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Delta Protection BLU Positive Pressure Self Fed Encapsulating Suits

DELTA PROTECTION

- <=.003% inward leakage Average of all exercises.
- Noise level < 70 DB at 21 CFM
- Air Flow rate maintained despite cartridge resistance
- CO2 levels <1% in the breathing zone

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Delta BLU "Self Fed" Suits Mirrors Air Fed Suit Performance

Test Requirement EN 1073-1	MTH2 and Mururoa V4F1 Results	Mururoa BLU PVC & Ethyfuge Results
Inward Leakage (Fit Factor), Protection Factor	Class 5 >50,000	Class 4 > 20,000
CO2 Concentration of Inhaled Air <1% by volume	< 0.8% by volume at 550 L/min	<0.6% by volume at 400 L/min
Noise Level < 80 DBA at Max Flow Rate	<80 DBA at Max flow rate	70.5 DBA at 600 L/min
Pressure Inside the Suit <1000 Pa avg. <2000 Pa Peak	Min. <600 Pa, Max <1700 Pa	Min < 170 Pa, Max < 300 Pa
Air Flow Rate Min Max	Min 500 L/min, Max 1100 L/min	Min 400 L/min Max 600 L/min
Abrasion Resistance	Same	Same
Puncture Resistance	Same	Same
Tear Resistance	Same	Same
Material Flammability	Same	Same
Suit Practical Performance Test	Same	Same
Seams/Welds Testing	Same	Same







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Delta BLU "Self Fed" Suit System Performance/ (PAPR Proposed Std)

Test Requirement PAPR	Mururoa BLU PVC and Mururoa Ethyfuge Results
General Construction Requirements	A self fed suit with two audible alarm indicators
Breathing Tubes	Not Applicable
Harnesses; Installation Construction	Not Applicable
Head Harnesses	No Head Harnesses needed (Positive Pressure Helmet)
Respirator Containers	Containers and Packaging constructed to permit easy use.
Respirator Inlet Coverings	Not Applicable
Inhalation and Exhalation Valves	No inhalation, Exhalation Valves are magnetic and specific in use
Low Pressure Indicator	N/A Pressure controlled by valves. No pressure= low flow
Low Flow Indicator	Audible intermittant Alarm (.05 sec interval)
Full and Low Battery Indicator	Full charge indicator on charger, Battery Low is represented by continuous alarm. 15 min duration, then auto "shut Off" feature.
Air Flow and Positive Pressure	Consult our Suit Pressure results

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Delta BLU "Self Fed" Suit System Performance/ (PAPR Proposed Std)

Test Requirement PAPR	Mururoa BLU PVC and Mururoa Ethyfuge Results
Air Flow and non-Positive Pressure	Not Applicable
Noise Levels <80 DBA	Consult our Noise level 70.5 DBA at 600 L/min
Service Time Limitations	4 hour duration at 600 L/min, can go longer at 400 L/min
PAPR Shelf Life Limitations	Described in our Users Instructions
Particulate Filter Efficiency Level. Pentration of 0.05%	Maximum penetration of 0.004% or 99.996% efficiency after clogging (Dust Accumulation) tests performed with NaCL and oil at max output
Exhalation Valve Leakage test	Not Applicable. Valves control PP in the suit and are suit specific
CO2 machine Test min. requirements <0.5%	0.58% by volume based on BR of 25/min at 2 L/stroke at 400 L/min.
CO2 Human Test min. requirements <2.0%	0.58% by volume based on BR of 25/min at 2 L/stroke at 400 L/min.
Battery Life Test	According to Manf. Specs 500 charges minimum
Laboratory Respiratory Protection Level >10,000 PF	Class 4 >20,000 PF; internal leakage of 0.005% in any test
Chemical Cartridge Test	Not Applicable

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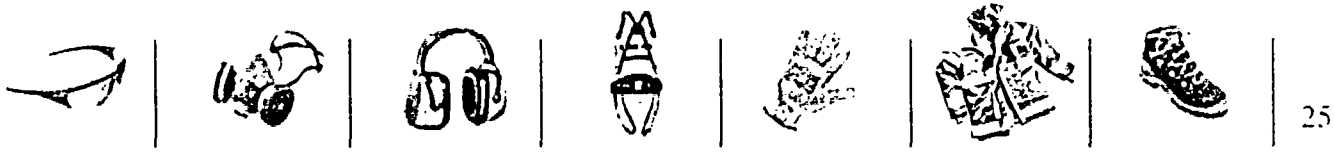
Delta BLU "Self Fed" Suit System Performance/ (PAPR Proposed Std)

Test Requirement PAPR	Mururoa BLU PVC and Mururoa Ethyfuge Results
End of Service Life	Not Applicable
Low Temperature Fogging	Based on Proven Application Experience (refer to user instructions)

* All suits are subject to preconditioning prior to testing



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Delta BLU "Self Fed" suits Additional Testing (Suits and Miscellaneous)

Test Requirement	Mururoa BLU PVC and Mururoa Ethyfuge
Mechanical Strength	Met with requirements
Thermal Strength (filters)	Met with requirements
Flame Resistance	Met with requirements
Connections and Interconnections (gloves, sleeves)	Met with requirements
Multiple filter testing (output Volume must be equal)	Output volume of 150 L/min were met
Helmet Visor Strength Test	Met with requirements
Exhaust System Testing	Met with requirements







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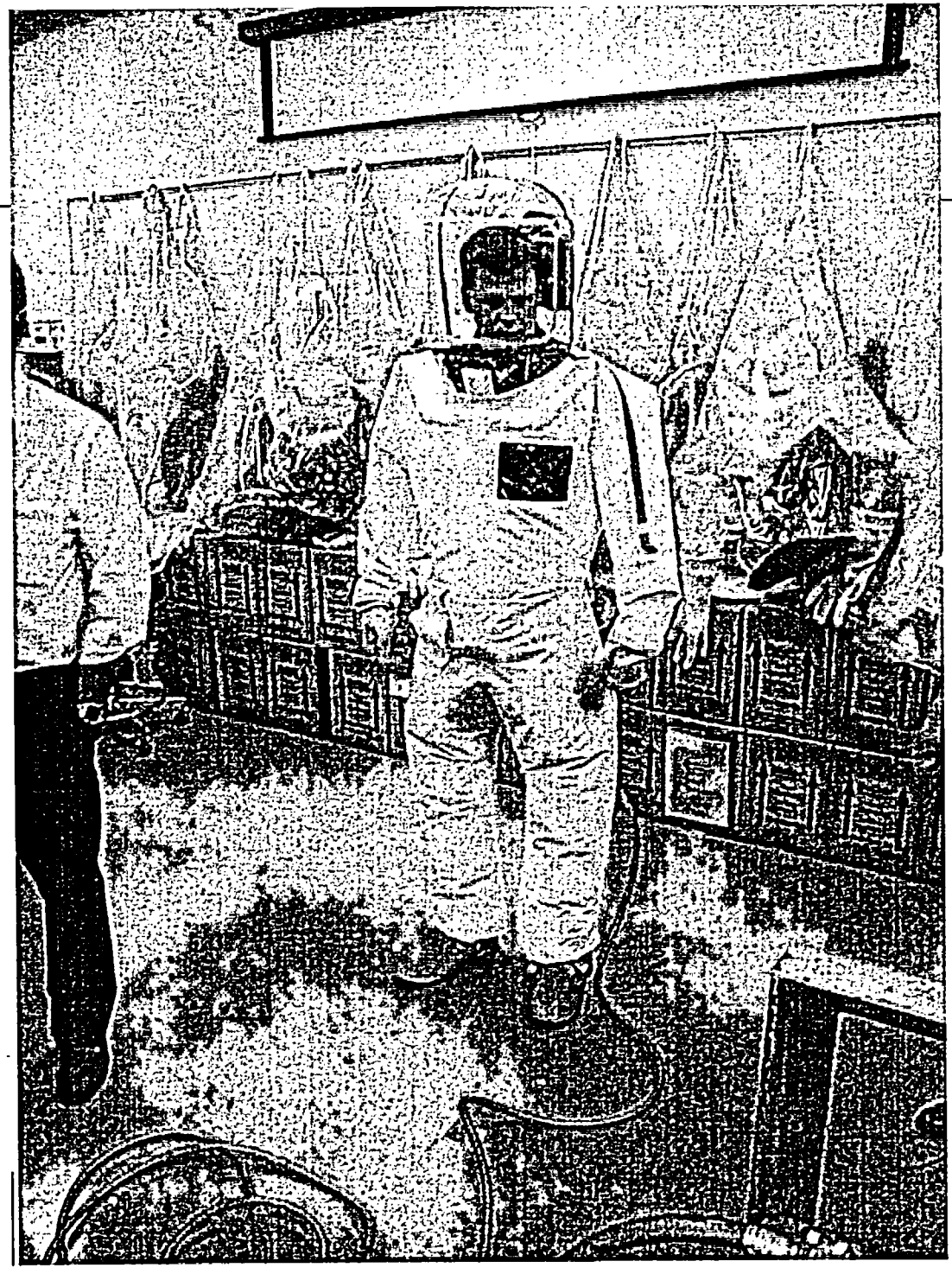

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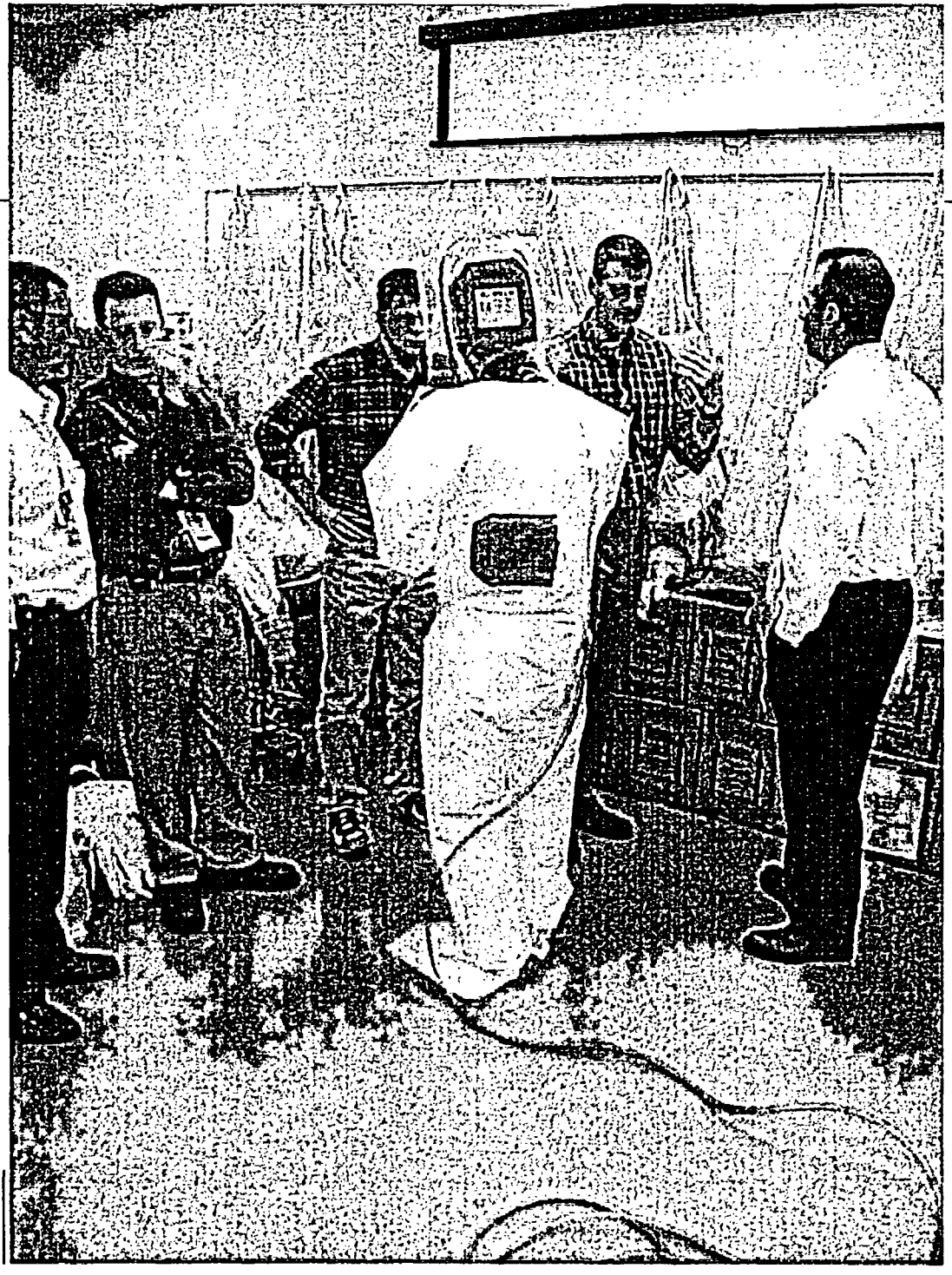
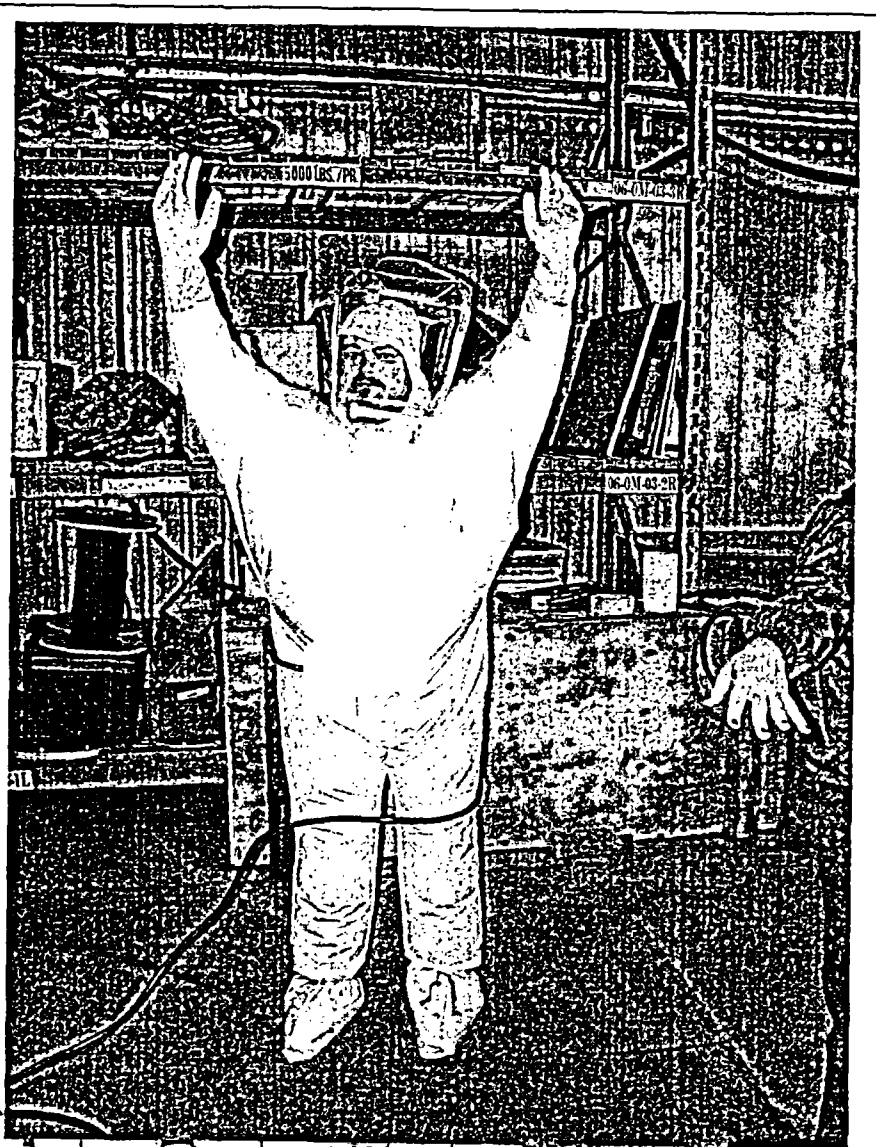


Duke Power Steam Generator Mock Up



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Duke Power Steam Generator Mock Up

Bacou-Dalloz

Bacou Dalloz and NRC Meeting Objectives

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THANK YOU

VERY MUCH