



The University of Western Ontario

Autoclaving Program at a Research-Intensive University:

Meeting Legislative Requirements & Auditing of the Program

Presented by: Jennifer Stanley

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Agenda

- Legislative requirements
- Components of an Effective Autoclaving Program
- Auditing Functions
- Results of Auditing
- Recommendations
- Future Steps



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Legislative Requirements

- Health Canada, Laboratory Biosafety Guidelines, 2004:
 - “Effective monitoring of autoclaves used for decontamination with biological indicators must be done regularly (i.e. consider weekly, depending on frequency of use of the autoclave), and the records of these results and cycle logs (i.e. time, temperature and pressure) must also be kept on file”



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Legislative Requirements

- Ontario Ministry of the Environment
- The Management of Biomedical Waste in Ontario
 - Guideline C-4
 - Environmental Protection Act, Part V, Sections 19 and 27, Part XVII, Section 197



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Training

- Initial
- Refresher
- New users

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Autoclave Maintenance

- Preventative Maintenance
- Emergencies

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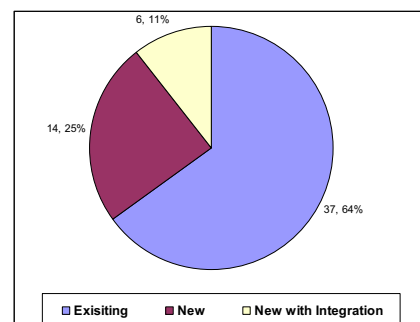
Auditing of the Program

- Inventory
- Training
- Inspections
 - Posted Material
 - Signs
 - Standard Operating Procedures
 - Records
 - Log books
 - Cycle logs
 - Level 2

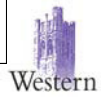
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Results of Autoclave Inventory



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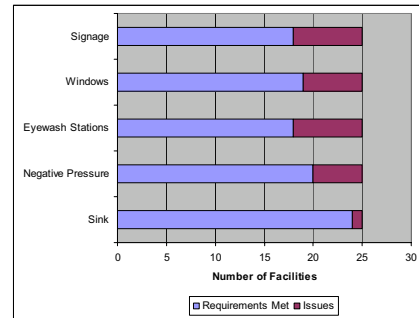
Signage

- “Biomedical Waste Storage Area”



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Health Canada Level 2 Requirements



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Documentation

- Log Books
 - No issues



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Recommendations

- Person in charge is key
- Communication with Project Coordinators
- Annual inventories
- Student Project
- Regular Training Sessions
- More frequent inspections
 - High risk areas
 - Compliance issues



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