

Sustainability Management Services



Sustainable Materials Management for the next generation

At Micronova ICS, our goal is to have spent mopping products and personal protective equipment (PPE) repurposed or recycled to be used again as a new raw material. We are expanding our program to allow for co-mingled materials and materials from any manufacturer.

Materials include, the following:

- Bouffants/Hairnets/Tyvek Hoods
- Facemasks
- Eyewear (Safety Glasses and faceshields)
- Disposable Gloves (Nitrile and limited Latex)
- Disposable Lab Coats/Frocks
- Disposable mopping products
- Tyvek Coveralls
- Disposable Shoecovers
- Wipers (Cleanroom)

By creating a repurposing program, we are reducing the amount of waste material entering landfills, contributing to a circular economy, and helping our customers move toward achieving their sustainability goals.



How does this work?



Micronova ICS is your compliance partner for containment in the life science industry.

As contamination control experts, we know the specific needs of facilities, utilities, processes and procedures, personnel, material, cleaning procedures, and (computerized) systems and equipment, mitigating (or reducing) risks and ensuring compliance standards.

Compliance services offers outsourced expertise, tailored solutions and seamless global services to support your organization.

Our Services:

- IT Validation (CSV/CSA)
- Q&V (Equipment)
- Contamination Control (CCS)
- CAPA (backlog) inspectors
- QA resources (SOP/Batch Records/Training)
- Kitting projects (Irradiation – Sterility)
- Auditors (GxP)
- IT Services (Cyber Security/Hosting/Deployment/Support)
- Recycling
- Assured Destruction
- Waste Management
- ISO implementation and Improvements (9001/27001/2/14001/13485/14644/11137)
- Managed Services – GxP Software Solutions

Review Process

- 1. Material Repurpose Profile and used samples.** Spent mopping and PPE product samples coupled with a completed Material Repurpose Profile are submitted for review and possible approval into the program.
- 2. Technical review of the samples.** This includes how the material needs to be sorted, processed, and converted into usable material.
- 3. Practical review of the samples.** Contamination levels are reviewed and if there are processing equipment limitations. These three reviews will determine if the material will be accepted.

Material Processing



Scanned: When an approved shipment arrives, it is scanned to record the shipment information, date, weight, and material it contains.



Sorted: The materials are then sorted based on characteristics and composition, using a wide variety of sorting technologies in order to route material downstream for proper processing and handling.



Sent: Once sorted by category, the different material types are cleaned and then sent to third-party partners to process the materials into usable forms.



Incinerator Option: If spent products do not meet recycling requirements, then a waste-to-energy incineration option is available. This waste management option will most likely assist and achieve your company's sustainability goals.



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