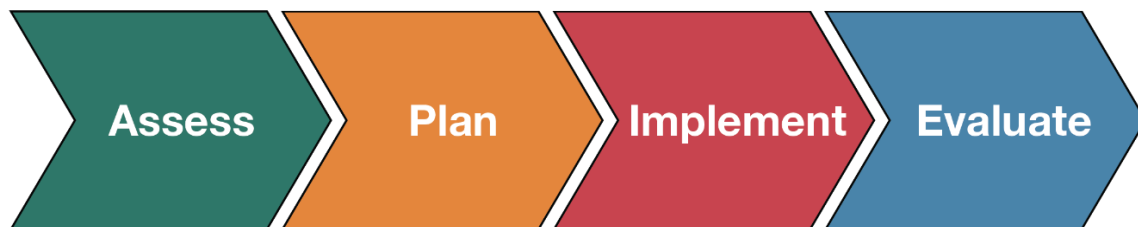


SETTING UP A C&D PROGRAM

C&D Basics



A C&D program should be set up for all types of animal settings. The processes and procedures needed require thought and planning. Similar to a biosecurity or an infection control plan, a C&D program will depend on the situation, the item or area for C&D, the overall goal, and the resources available.



ASSESS

Establishing an effective disinfection program involves a thorough assessment of the situation. What is the goal and the threat? What disinfection methods will be effective?

- Identify the target pathogen (known or suspected) and consider its resistance to disinfection.
- Determine what areas and items need C&D procedures. When in doubt – clean and disinfect it!
- Assess the specific goals and purposes of the C&D program (e.g., routine disinfection, disease control or elimination).
- Determine the best disinfection method or product for the pathogens identified and the surfaces to be treated. Consider the effectiveness and cost of each disinfection option.
- Identify any potential safety hazards for personnel and animals and any environmental impacts.



PLAN

Develop a site-specific action plan. What resources are needed to implement the plan? Include the following:

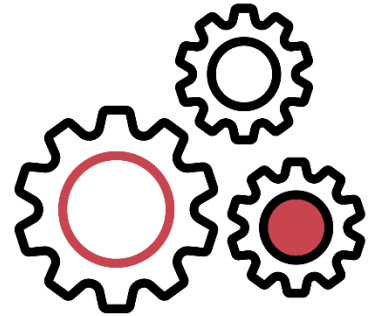
- Protocols or standard operating procedures (SOPs) for the items or areas at the location
- How often protocols or SOPs should be performed
- Personnel, equipment, supplies and any other resources (e.g., water source) needed
- Options for situations conducted outdoors (e.g., inclement weather, wastewater runoff)
- Emergency contacts, such as medical providers and poison control



IMPLEMENT

Implementing a C&D program involves putting the plan into action. Are personnel ready to perform the necessary actions?

- Train personnel performing C&D procedures prior to initiating work. This should include proper disinfectant preparation and use, safety practices, C&D protocols, proper operation of equipment, health hazards and emergency procedures.
- Determine biosecurity measures to be maintained during the C&D procedures.
- Use a systematic approach to ensure all surface areas are treated. Always clean surfaces before disinfection. Clearly designate clean and contaminated areas to ensure awareness.
- Post signs to remind personnel of protocols or health and safety issues.
- Maintain written documentation of C&D activities, such as disinfectant(s) used, dilution concentrations, and dates of preparation, maintenance of equipment. on C&D activities in a logbook.



EVALUATE

Periodic evaluation is needed to determine if efforts are providing the desired result. Is the process working? Evaluation is especially important during disease outbreak situations. Evaluation should include the following:

- Experienced personnel conducting the evaluation
- A visual evaluation confirming contaminated areas or items have been properly cleaned and disinfected
- Confirmation that proper concentrations and contact times for the disinfection process has been used
- Environmental sampling (e.g., ATP bioluminescence assay, bacteriological samples for pathogen assessment) to determine the effectiveness of C&D processes for the targeted pathogen



For more information on disinfection in animal settings, visit the [CFSPH Disinfection Website](#).

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