



application for green lab certification

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Congratulations!

Your lab is on its way to being officially **Green Lab Certified** by the ASU Environmental Health and Safety Green Labs Program. As a Certified Green Lab, your achievement will be recognized by the university and its scientific community. Your lab will be provided a lab safety registration door sign indicating your Green Lab status. You may find this certification status beneficial during future research.

Application

1) Lab Information

Lab Head/PI

Department

Green Lab Coordinator

Coordinator Email

Designated person to communicate green initiatives with your lab and the ASU Green Labs Program

Lab Location (building name and room #)

For multiple rooms, please attach a sheet listing the bulding, room #s, and associated lab registration #s.

Number of employees in lab

Lab Registration #

2) Lab's Commitment

I, _____, (Principal Investigator of the Lab) am applying for
[print name]

ASU EH&S Green Lab Certification. My signature below affirms that, to the best of my knowledge, this Lab has successfully completed all steps required for certification.

We are aware of the significant environmental impact of scientific research and we, the members of the above-named Lab, have committed to achieving ASU Green Lab Certification.

Accept our signatures to further our commitment of taking action to ensure that our lab's sustainable processes are maintained and continued.

Signature of PI

Email address

Date

APPLYING FOR:

- GREEN LAB CERTIFICATION (3 GOALS ACCOMPLISHED)
- LEADING GREEN LAB CERTIFICATION (5 GOALS ACCOMPLISHED)

Thank you for taking the time and effort needed to submit this application. We appreciate your efforts to reduce ASU's environmental footprint! If you have any ideas, questions, or suggestions, we'd love to hear them.

Questions or comments? Please contact greenlabs@asu.edu or (480) 965-1823





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ASU Green Lab SelfAssessment and Goal Sheet

Laboratory Name

Date

Contact

Contact Email

Instructions:

Step 1 – Complete the entire Self Assessment. Answer each item by checking “yes,” “no,” or “N/A” (if not applicable to your lab) on the right side of the assessment form.

Step 2 – Set your goals. Review the answers obtained during the Self Assessment. Select at least three goals that have not already been achieved in your laboratory. **Note: If you’ve checked “Yes” in all of the required elements of a specific goal, check that goal box in addition to the three you want to achieve, and it will count as an additional goal towards the Leading Green Lab Certification. Or, if you have your own Green Lab goal ideas, list them in Section F instead of choosing a suggested goal.**

Step 3 – Submit a Copy of Application and Assessment (in PDF format) to the ASU Green Labs Program (ASU EH&S).

Step 4 – Notify the ASU Green Labs Program when goals have been accomplished and receive your ASU Green Lab Certification!

SUGGESTED GOAL AREAS

Assessment
Y N N/A

A. Communication and Education

A.1 Include information regarding laboratory sustainability best practices during lab orientation training in addition to laboratory safety training.

A.2 Conduct regular lab meetings to discuss current/new sustainable lab process information and goal progress.

GOAL 1: COMPLETE AND MAINTAIN ALL ITEMS ABOVE

GOAL 1:

B. Energy Efficiency and Conservation

B.1 Does the laboratory have laboratory freezer/refrigerator in a centralized location for multiple users?

B.1a Is freezer/refrigerator equipment currently Energy Star-rated?

B.1b Is equipment scheduled to be replaced in near future?

B.1c Is freezer/refrigerator equipment defrosted on a regular basis? Are the coils/motors regularly cleaned?

GOAL 2: COMPLETE AND MAINTAIN B.1C

GOAL 2:

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Y N N/A

- B.2 Does the laboratory have ultra-low temperature freezers?
- B.2a If "Yes," and freezers are set to -80°, can freezers be re-set to -70°?

GOAL 3: COMPLETE ALL ITEMS ABOVE AND MAINTAIN B.2A **GOAL 3:**

- B.3 Is equipment, including computers, monitors, heat plates, and spinner plates, turned off when not in use?

- B.3a Are "energy vampires" (i.e. cell phone chargers, battery chargers, etc.) unplugged when not in use?

GOAL 4: COMPLETE AND MAINTAIN ALL ITEMS ABOVE **GOAL 4:**

- B.4 Do light switches have stickers to remind people to turn off lights?

- B.4a Are lights turned off when the laboratory is not in use (even during the day)?

GOAL 5: COMPLETE AND MAINTAIN ALL ITEMS ABOVE **GOAL 5:**

- B.5 Does the laboratory utilize fume hoods?

- B.5a Are fume hood sashes closed and the hood turned to low (manually or automatically) except when in use?

GOAL 6: COMPLETE ALL ITEMS ABOVE AND MAINTAIN B.5A **GOAL 6:**

C. Recycling and Waste Reduction

- C.1 Are electronic and battery waste sent to ASU Surplus and EH&S, as appropriate?

- C.2 Are envelopes, boxes, and packaging material reused/returned to vendor whenever possible?

- C.3 Does the laboratory attempt to reduce unwanted mail through efforts to remove names from mailing lists and sharing periodicals and other mailings?

- C.4 Are recycling and waste management procedures followed?

- C.5 Are waste materials segregated whenever possible to minimize contamination?

GOAL 7: COMPLETE AND MAINTAIN ITEMS C.1, C.2 AND C.3 ABOVE **GOAL 7:**

- C.6 Does the laboratory have a shared supplies area to limit wasting extra quantities of ordered items?

- C.7 Does the laboratory use ASU Surplus for pickup of unwanted materials?

- C.8 Do laboratory practices utilize green chemistry methods, including computer simulations and micro-scale chemistry technique when applicable?

GOAL 8: COMPLETE AND MAINTAIN ITEM C.6 ABOVE **GOAL 8:**



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Y N N/A

D. Water Conservation

- D.1 Do employees report water leaks in pipes or sinks to FACMAN immediately?
- D.2 Are employees encouraged/trained to use water conservatively?
- D.3 Are water aspirators currently in use in the laboratory?
- D.3a If "Yes," can water aspirators be replaced with energy-efficient vacuum pumps?

GOAL 9: COMPLETE ALL ITEMS ABOVE AND MAINTAIN D.3A **GOAL 9:**

- D.4 Does the laboratory utilize Water Distillers or Reverse Osmosis units?
- D.4a If "Yes," can distillers or RO units be shut down during non-working hours?

GOAL 10: COMPLETE ALL ITEMS ABOVE AND MAINTAIN D.4A **GOAL 10:**

E. Purchasing

- E.1 Does the laboratory purchase and utilize glass or other recyclable laboratory ware?
- E.2 Are alternatives to products that have non-recyclable packaging sought out or considered?
- E.2a Is packaging returned to the manufacturer/supplier where possible?

GOAL 11: COMPLETE AND MAINTAIN ALL ITEMS ABOVE **GOAL 11:**

- E.3 Does the laboratory consider energy-efficient equipment while purchasing?
- E.4 Are nontoxic/biodegradable and/or Green Seal Certified cleaning products used?
- E.5 Are chemicals routinely inventoried and purchased in small, or "as needed" lots when possible?

GOAL 12: COMPLETE ALL ITEMS ABOVE AND MAINTAIN E.5 **GOAL 12:**

F. Create your own Green Lab goals that your laboratory would like to achieve:

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____

Other Green Ideas

Please share any other green ideas related to ASU laboratories that your laboratory is undertaking or any other relevant information you think should be considered regarding this application (attach separate sheet).

Submit PDF application and self assessment to: greenlabs@asu.edu
Please feel free to call with any questions regarding this program: (480) 965-1823

