## **NSF/UVM Community Cosmogenic Facility**

Memorandum of Understanding for Collaboration

In order ensure that our interactions as collaborators are as straightforward, efficient, safe, and productive as possible, we require all users of the Community Cosmogenic Facility (CCF) to read and sign this Memorandum of Understanding.

For both the Primary Investigator AND the in-person visitor: please read each item below and initial, then sign at the end of the document. Return a PDF version to Facility Manager Dr. Lee Corbett at Ashley.Corbett@uvm.edu.

## Section 1: Philosophy, Collaboration, and Planning

**1A.** Because the CCF is a facility focused on training and on generating the best data and interpretations possible, CCF staff work collaboratively with visitors throughout the project, including during grant writing, strategizing about sample collection, sample preparation, data reduction, interpretation, presentation, and publication. I understand that CCF staff expect to work with me as active collaborators, with a focus on ensuring data quality, throughout the project. I will include Dr. Bierman and/or Dr. Corbett as authors on abstracts and papers and will send drafts well in advance of submission.

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Project PI Initials: Visitor Initials (i	If different from PI):
<b>1B.</b> Because the CCF is not a "fee for service" laborat samples and only those samples that are related to the CCF staff. <i>I agree to process only samples for the process</i> .	project described and agreed upon with
Project PI Initials: Visitor Initials (i	f different from PI):
<b>1C.</b> Because the CCF needs to know about the propose effectively help collaborators, several items will be repowerpoint slide describing the project and a detailed required paperwork promptly. I understand that work required paperwork is completed and sent to Dr. Corb	quired prior to arrival at the lab including a sample inventory. I agree to return all on my project cannot begin until all
Project PI Initials: Visitor Initials (i	if different from PI):
<b>1D.</b> For visitors preparing quartz at their home institut ICP-OES testing of quartz, additional etching as necest quartz must be at the laboratory no less than six weeks extraction laboratory. <i>I understand that if this deadline delayed and that I may need to alter my travel plans</i> .	ssary, and sample digestion, all prepared s in advance of the planned start date in the
Project PI Initials: Visitor Initials (i only if you are preparing your own quartz prior to arr	

understand that, for safety reason	component of safe laboratory practices and visitor training. I ns, all visitors must have a high level of proficiency in English, d reading. Visitors agree to receive constructive feedback ments to their work as needed.
Project PI Initials:	Visitor Initials (if different from PI):
covering all associated costs. I as	making their own travel and housing arrangements and for gree to be responsible for all of my travel needs and costs, ered schedules that may result from items described in this
Project PI Initials:	Visitor Initials (if different from PI):
in scope or focus. However, char samples or work. <i>I understand th</i>	rer time and the CCF staff will attempt to accommodate changes nges may not be possible, particularly if they involve additional at CCF staff will do their best to meet my project's needs, but to the number or type of samples beyond the original for laboratory time.
Project PI Initials:	Visitor Initials (if different from PI):
<b>2A.</b> The CCF has a very robust a laboratory equipment. However, water systems) may require devia alter my project timeline in the expression.	dule, and Expectations During Sample Preparation and redundant HVAC system and significant redundancy in in rare cases, an HVAC or other major equipment failure (e.g., ation from the planned schedule. I understand that I may need to event of a significant equipment failure that is outside of the CCF de having to modify travel plans.
Project PI Initials:	Visitor Initials (if different from PI):
not contain quartz, they will not expected, the project schedule an	nethods are reliant upon the presence of quartz. If the samples do yield usable data. If the samples contain less quartz than ad/or budget may need to be adjusted. I understand that accessing is dependent on the presence of sufficient quartz in my
Project PI Initials:	Visitor Initials (if different from PI):
hands-on work are responsible for arrival and for abiding by all labor Protective Equipment. <i>I understa</i>	ry's users is the highest priority. Visitors who will be doing or completing all online safety training modules in advance of pratory safety procedures including proper use of Personal and that I will not be able to commence hands-on work in the we been completed and that I will be asked to leave the CCF if I
Project PI Initials:	Visitor Initials (if different from PI):

unsafe or hostile environme directions, failure to work w any behavior that is unsafe,	ht to ask visitors to leave the facility if their conduct makes for an nt. Such conduct could include but is not limited to failure to follow within the laboratory's policies, failure to follow safety guidelines, or disrespectful, or harassing. I understand that such conduct will not that any such behaviors could result in the termination of a visit.
Project PI Initials:	Visitor Initials (if different from PI):
methodological incidents m especially critical in the eve	laboratory occupants, the facility itself, and the samples, all safety or ust be reported immediately to the laboratory manager. This is nt of a possible acid exposure. I understand that any incident, ethodological, must be reported to laboratory staff immediately.
Project PI Initials:	Visitor Initials (if different from PI):
after the completion of samp The CCF is unable to split be cards, and unable to cover for billing account with the AM paying the AMS bill. <i>I unde</i>	University of Vermont Accounts Payable System) will issue a bill ple preparation to the person whose information is provided below. Fills between different people and/or accounts, unable to accept credit unds for AMS analysis. The project PI is responsible for setting up a IS laboratory of their choice, budgeting properly for AMS costs, and erstand the fiscal obligations of working with the CCF and will be them as described above when the bill is issued.
Project P1 illitials:	Visitor illitiais (ii different from P1):
operating procedure, all AM reduction including a proces publication format as well a	IS data are returned to CCF staff, who will do an initial data as blank subtraction. CCF staff will provide a data table in a basic description of methods used for data reduction and sample at CCF staff will have access to all AMS data and that the AMS attive control.
Project PI Initials:	Visitor Initials (if different from PI):
provides full time support for closely with and train all vision consumables; therefore the publication including data for "Cosmogenic data in this page."	able to the community by the US National Science Foundation, which or Dr. Corbett to oversee the lab as Facility Manager and to work sitors. The NSF does <i>not</i> provide any support for the facility itself or the CCF recovers such direct costs from users. I agree that every from the CCF will include the following acknowledgement. Sublication were generated with the support of NSF-EAR 1735676". It is to five the per-sample costs agreed upon in my CCF budget tables.
Project PI Initials:	Visitor Initials (if different from PI):

## Collaboration Details and Agreement Name of the person who should receive the bill: Affiliation: Billing address: Phone number: Email address: By signing below, I/we understand the agreement with the NSF/UVM Community Cosmogenic Facility and will work within the guidelines described above. Project PI signature Date Visitor signature if different from PI Date

Date

Bill recipient signature if different from PI