

**U.S. DEPARTMENT OF ENERGY
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY
NEPA DETERMINATION**



RECIPIENT: 5N Plus, Inc.

STATE: Mult

PROJECT TITLE : Upstream Extraction of Tellurium from Copper Concentrates

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0003058	DE-EE0011418	GFO-0011418-001	GO11418

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Policy 451.1), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

Rationale for determination:

The U.S. Department of Energy (DOE) is proposing to provide federal funding to 5N Plus, Inc. to design and demonstrate a proof of concept for the extraction of tellurium from copper mineral concentrates. The types of activities associated with the proposed project would be limited to data analysis, small-scale laboratory experiments, and stakeholder engagement. All work would be conducted within the awardee's corporate research and development facility in Montreal, Quebec, Canada. This location was purpose-built for the type of activities being proposed; no physical modifications or new permits would be required. Existing health and safety policies and procedures would be followed including employee training, the use of personal protective equipment, and engineering controls. All potentially hazardous materials used or produced by the proposed project would be managed in accordance with applicable environmental regulations.

DOE has considered the scale, duration, and nature of the proposed activities to determine potential impacts on sensitive resources, including those of a biological, ecological, cultural, and socioeconomic nature. DOE does not anticipate impacts on these resources which would be considered significant or require DOE to consult with other agencies or stakeholders.

Because the entirety of this proposed project would occur within the recipient's facility in Montreal, Quebec, Canada, DOE has determined that work to be carried out outside of the United States, its territories and possessions is exempt from further review pursuant to Section 5.1.1 of the DOE Final Guidelines for Implementation of Executive Order 12114; "Environmental Effects Abroad of Major Federal Actions."

NEPA PROVISION

DOE has made a final NEPA determination.

Notes:

Solar Energy Technologies Office (SETO)
Review completed by Whitney Donoghue on 9/9/2024.

FOR CATEGORICAL EXCLUSION DETERMINATIONS

DOE has determined that work to be carried out outside of the United States, its territories and possessions is exempt from further review pursuant to Section 5.1.1 of the DOE Final Guidelines for Implementation of Executive Order 12114; "Environmental Effects Abroad of Major Federal Actions."

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:

Electronically
Signed By: Andrew Montano

NEPA Compliance Officer

Date: 9/11/2024

FIELD OFFICE MANAGER DETERMINATION

- Field Office Manager review not required
- Field Office Manager review required

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____
Field Office Manager

Date: _____