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P.O. Box 2008 MS 6213
Oak Ridge, TN 37831-6213
(865) 574-4415

Date: 09/29/2025
To: U.S. Citizenship and Immigration Services
From: Personnel Records
Subject: **Employment Verification for Sergio Armando Barbosa Casas**

This is to confirm that Sergio Armando Barbosa Casas has been employed with UT-Battelle at Oak Ridge National Laboratory since 03/10/2025. Sergio holds the position of Postdoctoral Research Associate in the Environmental Sciences Division. Sergio receives a current monthly salary of \$7,967 and employment status is Temporary Full-Time.

Major Duties/Responsibilities:

- Developing and evaluating models of gray and green infrastructure in Amanzi-ATS, a process-based hydrologic model.
- Leveraging these developments to evaluate how changing climate, land use/land cover, and scenarios of infrastructure development will affect flooding in Southeast Texas in the coming decades.
- Developing hypothesis-driven numerical experiments around the changing risk of compound flooding, bringing data and hydrologic process understanding together with models to evaluate these hypotheses, and leading papers describing those findings.
- Interacting with local stakeholders and experts in design, facilitating the codesign of flood mitigation strategies and evaluating, with models, the efficacy of these strategies which will inform local climate and flood mitigation plans.
- Deliver ORNL's mission by aligning behaviors, priorities, and interactions with our core values of Impact, Integrity, Teamwork, Safety, and Service. Promote diversity, equity, inclusion, and accessibility by fostering a respectful workplace – in how we treat one another, work together, and measure success.

If further assistance is needed, please contact our Personnel Records Office at (865) 574-4415.

Regards,

A handwritten signature in blue ink, appearing to read "Brandy Reed", written over a light blue horizontal line.

Brandy Reed
Personnel Records Coordinator