James Hughes

Pacific Northwest National Laboratory

Post Office Box 999

Richland, WA 99352

Dear Mr. Hughes:

This is in response to your November 18, 2016 letter requesting approval for access to Bonneville Dam to conduct a hydroacoustic study at Powerhouse II (PH2). It is understood that this is a Corps-funded study entitled “Fish Guidance Efficiency of Modified Main Unit Gatewells”. This study is a two-year effort to evaluate fish-passage metrics utilizing acoustic cameras and fixed-location transducers located in the PH2 gatewells and trashracks.

With respect to the work outlined above, your request is generally approved, provided you are able to obtain all necessary permits and certifications. No work may begin until the required documents are on file with Ms. Ida Royer and Ms. Erin Kovalchuk. Please note this letter is valid for work occurring in 2017; work occurring in future years must be re-submitted.

Prior to beginning work, please arrange a meeting with Ms. Ida Royer, 541-374-2541. Please remain in contact with Ms. Royer throughout your time at the dam. There are many researchers and contractors working at the dam, please work to ensure good communication and cooperation between agencies and organizations.

A copy of this letter has been posted to NWP Access Responses found at <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Research/Research.html>.

If you have questions regarding this correspondence, please contact Ms. Royer via e-mail or by phone.

Sincerely,

Jerry A. Carroll

Operations Project Manager

Bonneville Project

CENWP STAFFING SHEET

Office Symbol: CENWP-OD-B DATE: 09 January 2017

SUBJECT: Approval letter for James Hughes - PNNL

DESIRED ACTION: Requires OPM Signature

RETURN TO: Please send a copy of the scanned, signed letter to [Erin.H.Kovalchuk@usace.army.mil](mailto:Erin.H.Kovalchuk@usace.army.mil) and copy [Ida.M.Royer@usace.army.mil](mailto:Ida.M.Royer@usace.army.mil). Call Ida Royer (541-374-2541) if there are questions.

DETAILED SUMMARY: 1. Purpose: To allow researchers access to Bonneville Project.

2. History: Reviewed by Bonneville Fisheries and the Bonneville Safety Officer.

3. Reason: To permit research at Bonneville Project.

REMARKS:

Initial/Date Name/Office Symbol

Non-Concur/Concur Royer, Ida

IR / 1.9.17 CENWP-OD-B

Non-Concur/Concur Rerecich, Jon

JR / CENWP-PM-E

Non-Concur/Concur Kovalchuk, Erin

EK / CENWP-OD-TF

Signed Carroll, Jerry

Init / Date CENWP-OD-B

Effective: 15 January 2017