



**General Water Licence Application
(Application for a new Water Licence)**

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OFFICE DES EAUX DU NUNAVUT

DOCUMENT MANAGEMENT

Original Document Date: May 2012

DOCUMENT AMENDMENTS

	Description	Date
(1)	Topographical Map – Supporting Question 5 (please ignore "X" marks on the map)	May 2012
(2)	Fax to Hamlet Council of Resolute Bay	May 2012
(3)	Fax to Hamlet Council of Grise Fiord	May 2012
(4)	Grise Fiord Hunters & Trappers Organization	May 2012
(5)	Fax to Isaac Kulluk, Resolute Bay Hunters & Trappers Organization	May 2012
(6)	Fuel Spill Contingency Plan	May 2012
(7)	Articles of Incorporation for Windfall Films	May 2012
(8)		
(9)		
(10)		



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**GENERAL WATER LICENCE APPLICATION
(APPLICATION FOR NEW WATER LICENCE)**

The applicant is referred to the NWB's Guide 4: Guide to Completing and Submitting a Water Licence Application for a New Licence for more information about this application form.

LICENCE NO: 3BC-Y1F- (for NWB use only)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) David Duggan Windfall Films One Underwood Row London N1 7LZ (UK) Contact: Kristina Obradovic (Head of Production) Phone: 011-44-207-251-7668 Fax: 011-44-207-253-8468 e-mail: Kristina@windfallfilms.com	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address) Lori Beane Howard Hughes Medical Institute ("HHMI") 4000 Jones Bridge Road Chevy Chase, MD 20815 Phone: 301.215.8852 Fax: 301.215.8775 e-mail: beanel@hhmi.org
3. NAME OF PROJECT (including the name of the project location) "Your Inner Fish" film project. This is a series produced by Windfall Films and HHMI for air on PBS in the US.	
4. LOCATION OF UNDERTAKING Project Extents NW: Latitude: (° ' " N) Longitude: (° ' " W) NE: Latitude: (° ' " N) Longitude: (° ' " W) SE: Latitude: (° ' " N) Longitude: (° ' " W) SW: Latitude: (° ' " N) Longitude: (° ' " W) Camp Location(s) Latitude: (77 09 33.44 N) Longitude: (86 09.57.04 W) These coordinates are 100m from the nearest flowing water and on gravel, not tundra. In addition, it is not near any animal migration routes.	
5. MAP - Attach a topographical map, indicating the main components of the undertaking. Topical Map Attached (please disregard "X's" on map.	

NTS Map Sheet No.: _____ Map Name: _____ Map Scale: _____

6. **NATURE OF INTEREST IN THE LAND** - Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).

Sub-surface

☐ Mineral Lease from Nunavut Tunngavik Incorporated (NTI)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Mineral Lease from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: _____ Date of expiry: _____

Surface

☒ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ IOL Authorization from Kivalliq Inuit Association (KivIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ IOL Authorization from Qikiqtani Inuit Association (QIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Commissioner's Land Use Authorization
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Other: _____
Date (expected date) of issuance: _____ Date of expiry: _____

Name of entity(s) holding authorizations: _____

7. **NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION**

Indicate the land use planning area in which the project is located.

☐ North Baffin
☐ South Baffin

☐ Akunnig

☐ Keewatin
☐ Sanikiluaq

☒ West Kitikmeot

Is a land use plan conformity determination required?

☐ Yes

☐ No

If Yes, indicate date issued and attach copy _____

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

☐ Yes

☒ No

If Yes, indicate date issued and attach copy _____

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

We plan to make a small 6-person camp for 10 days in which time we will inspect the surface of the surrounding area for fossils. We will be filming the paleontologists as they search for fossils and will film sequences with the experts describing what the area used to look like years and years earlier when the first tetrapods were emerging from the water.

10. OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

There are no suitable alternatives for this project. The rocks in this area are of the right age and the right type to potentially yield the fossils we are looking for. Other areas such as Bird Fiord, Okse Bay and Sor Fiord on Ellesmere island have been investigated in past years.

11. CLASSIFICATION OF PRIMARY UNDERTAKING - Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial

☐ Agricultural

☐ Mining and Milling (includes exploration/drilling/exploration camps)

☐ Conservation

☐ Municipal (includes camps/lodges)

☐ Recreational

☐ Power

☒ Miscellaneous (describe below):

Basic Scientific Research

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing

☐ Tannery

☒ Tourist / Remote Camp

☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil

☐ Onshore Oil and Gas Exploration Drilling

☐ Mineral Exploration / Remote Camp

☐ Advanced Exploration

	<input type="checkbox"/> Mine Development <input type="checkbox"/> Municipal <input type="checkbox"/> General Water Works <input type="checkbox"/> Power
12.	WATER USE - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for. <input checked="" type="checkbox"/> To obtain water for camp/ municipal purposes <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> To obtain water for industrial purposes <input type="checkbox"/> To cross a watercourse <input type="checkbox"/> To alter the flow of, or store water <input type="checkbox"/> Other: _____ </div> <div> <input type="checkbox"/> To divert a watercourse <input type="checkbox"/> To modify the bed or bank of a watercourse <input type="checkbox"/> Flood control </div> </div>
13.	QUANTITY AND QUALITY OF WATER INVOLVED - For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source. Name of water source(s) (show location(s) on map): <u>Tucker River for drinking & cooking water.</u> Describe the quality of the water source(s) and the available capacity: <u>excellent quality & abundant</u> Provide the overall estimated quantity of water to be used: <u>0.5</u> m ³ /day Provide the estimated quantity(s) of water to be used from each source: <u>All our water will be taken locally from Tucker River.</u> Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.) <u>All for camp use: drinking, cooking & washing.</u> Describe the method of extraction(s): <u>Extract from stream by hand.</u> Estimated quantity(s) of water returned to source(s) <u>0</u> m ³ /day Describe the quality of water(s) returned to source(s): <u>Waste water will be buried at least 250 feet from the stream bed (with care not to disturb tundra) so as not to contaminate the water supply.</u>
14.	WASTE – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited. <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Sewage <input type="checkbox"/> Solid Waste <input type="checkbox"/> Hazardous <input type="checkbox"/> Bulky Items/Scrap Metal <input type="checkbox"/> Animal Waste <input type="checkbox"/> Other (describe): _____ </div> <div> <input type="checkbox"/> Waste oil <input checked="" type="checkbox"/> Greywater <input type="checkbox"/> Sludges <input type="checkbox"/> Contaminated soil and/or water </div> </div>
15.	QUANTITY AND QUALITY OF WASTE INVOLVED – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Organic Waste	Food scraps	2 kg	Burn	Remove via helicopter at end of stay
Solid Waste	Packaging & other camp garbage	1 kg	Burn	Remove via helicopter at end of stay
Human Waste		.8 kg	Burial away from water sources	

16. **OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following:

Authorization: Paleontology Permit

Administering Agency: Culture, Language, Elders, Youth Nunavut

Project Activity: Dissemination of scientific information filmed for a television audience.

Date (expected date) of issuance: July 16, 2012 **Date of expiry:** August 8, 2012

17. **PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** - Describe direct, indirect, and cumulative impacts related to water and waste.

Waste will be mitigated by keeping the crew size limited to 6 people and spending only 10 days in the field. Our remote fly camp will have one 5-gallon propane tank used for cooking when attached to a 2-burner Coleman Stove. We will also have a generator with 10 gallons of gas to charge batteries for the television camera, sound equipment and cell phone batteries. We maintain a strict commitment to removing all solid waste from the field site. Waste water will be minimal, but the wash water we anticipate will be strained to remove food scraps and deposited at least 240 feet from a water source. We will use quantities of biodegradable soap.

Direct impact: camping impacts will be minimized by maintaining a small crew size, staying for a short time (10 days), and by placing tents on gravel beds to avoid disturbing the tundra.

18. **WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER**

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licenses for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trap-line holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

We have consulted with Resolute Bay Hamlet and Resolute Bay Hunters and Trappers Association about potential adverse affects to people or property and no concerns have been raised about our proposed work. See attached documents .

19. INUIT WATER RIGHTS

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

We do not believe there will be substantial effects on the quality, quantity or flow of the Tucker River as a result of our proposed camp.

20. CONSULTATION – Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns.

See attached faxes to the Resolute Bay Hamlet, Grise Fiord Hamlet, Frise Fiord Hunters & Trappers and Resolute Bay Hunters Trappers.

21. SECURITY INFORMATION

Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults. The estimate must also include contingency factors appropriate to the particular work to be undertaken.

Where applicable, the financial security assessment should be prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the *Mine Site Reclamation Policy for Nunavut*, Indian and Northern Affairs Canada, 2002.

N/A

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

If the applicant is a business entity, provide a list of the officers of the company.

WINDFALL FILMS COMPANY DIRECTORS ARE:-

DAVID DUGAN

IAN DUNCAN

OLIVER MORSE

KRISTINA OBRADOVIC

CARLO MASSARELLA

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

PLEASE SEE WINDFALL FILMS CERTIFICATE OF INCORPORATION ATTACHED

Windfall Films' work on this film production is funded in full by the Howard Hughes Medical Institute, a non-profit charitable organization with offices at 4000a Jones Bridge Road, Chevy Chase, Maryland 20815-6785 USA.

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

This project is a dissemination of facts from studies undertaken in 1999, 2000, 2002, 2004 and 2010 by Neil Shubin. The film crew will film Neil discussing his former studies on location.

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Construction

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Operation

Proposed Start Date: **July 22, 2012** Proposed Completion Date: **August 1, 2012**
(month/year) (month/year)

Closure

Proposed Start Date: **August 1, 2012** Proposed Completion Date: **August 1, 2012**
(month/year) (month/year)

Post - Closure

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

For each applicable phase of development indicate which season(s) activities occur.

Construction

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Operation

☐ Winter ☐ Spring ☒ Summer ☐ Fall ☐ All season

Closure

☐ Winter ☐ Spring ☒ Summer ☐ Fall ☐ All season

Post - Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): **2 weeks**

Requested Date of Issuance: **July 2012** Requested Expiry Date: **August 2012**

(month/year)

26. **ANNUAL REPORTING** – If not using the NWB's Standardized Form for Annual Reporting, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

N/A

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

impact assessment have been addressed.

☐ Yes ☐ No If no, date expected _____

Completed General Water Licence Application form.

☒ Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

☐ Yes ☐ No If no, date expected _____

English Summary of Application.

☒ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

☒ Yes ☐ No If no, date expected _____

Application Fee of \$30.00 CDN (Payee Receiver General for Canada).

☒ Yes ☐ No If no, date expected _____

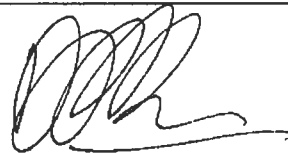
Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence.

☐ Yes ☐ No If no, date expected _____

28. SIGNATURE

D. DUGAN

CHAIRMAN,
WINDFALL FILMS



3rd May 2012

Name (Print)

Title (Print)

Signature

Date