



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

APPLICATION FOR PERMIT
TO CONSTRUCT A RESERVOIR AND TO STORE FOR BENEFICIAL USE
WATERS OF THE STATE OF WASHINGTON

RECEIVED
JAN 28 2013
DEPT OF ECOLOGY
NWRO WR

\$50.00 NON-REFUNDABLE MINIMUM STATUTORY FILING FEE REQUIRED WITH APPLICATION
(GRAY BOXES FOR OFFICE USE ONLY)

APPLICATION NUMBER R1-28747	W.R.I.A. 7	COUNTY Snohomish	PRIORITY DATE 2/11/2013	TIME	ACCEPTED
APPLICANT'S NAME City of Marysville			TELEPHONE NUMBER (360) 363-8100		
DATE AND PLACE OF INCORPORATION, IF APPLICANT IS A CORPORATION					
ADDRESS (STREET) 80 Columbia Avenue		(CITY) Marysville	(STATE) WA	(ZIP CODE) 98270	
1. SOURCE, USE, AND CAPACITY OF RESERVOIR					
NAME OF PROPOSED RESERVOIR North Marysville Regional Stormwater Pond No. 2					
NAME OF STREAM OR OTHER SOURCE FOR RESERVOIR SUPPLY Stormwater runoff			TRIBUTARY OF N/A		
USE(S) TO BE MADE OF IMPOUNDED WATER (IRRIGATION, POWER, FISH PROPOGATION, ETC.) Water will not be used for a beneficial use. It will be infiltrated or released at an approved rate post water quality treatment.					
NUMBER OF ACRE FEET TO BE STORED AT MAXIMUM OPERATING LEVEL 68 acre-feet at 100 year storm volume			MONTHS OF YEAR DURING WHICH RESERVOIR IS TO BE FILLED The stormwater facility will be filled year round with levels varying seasonally based on precipitation amounts.		
NUMBER OF ACRES TO BE IRRIGATED, IF USED FOR IRRIGATION Water from the facility will not be used for irrigation.					
TYPE AND CAPACITY OF DIVERSION WORKS IF WATER IS TO BE WITHDRAWN N/A					
2. LOCATION OF POINT OF DIVERSION OR WITHDRAWAL					
ON ACCOMPANYING PLATS OR MAPS, ACCURATELY MARK AND IDENTIFY EACH POINT OF DIVERSION. GIVE MEASURED DISTANCE AND BEARING, OR NORTH-SOUTH AND EAST-WEST DISTANCES FROM NEAREST SECTION CORNER.					
COMPLETE EITHER A OR B	A	THE RESERVOIR IS TO BE LOCATED IN THE CHANNEL OF (NAME OF STREAM) N/A			
	B	THE RESERVOIR IS TO BE FILLED THROUGH A FEEDER CANAL (OR PIPELINE) HAVING ITS POINT OF DIVERSION (INTAKE) LOCATED AS FOLLOWS N/A			
DISTANCE AND BEARING TO SECTION CORNER					
LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)			SECTION	TOWNSHIP N.	RANGE (E. OR W.) W.M. COUNTY
3. IF THIS IS WITHIN THE LIMITS OF A RECORDED PLATTED PROPERTY, COMPLETE THIS SECTION					
LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION) Not located within a recorded plat			

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4.

LOCATION OF IMPOUNDING STRUCTURE			
IMPOUNDING STRUCTURE LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) Structure will be located on Snohomish County Parcel No. 31053300300100	SECTION 33	TOWNSHIP N. 31	RANGE (E. OR W.) W.M. 05
LEGAL SUBDIVISION OF LANDS IN WHICH THE SUBMERGED AREA IS TO BE LOCATED (THE OUTLINE OF THIS LAND IS TO BE SHOWN ON THE MAP TO ACCOMPANY THIS APPLICATION)			
The east half of Northeast Quarter of the Southwest Quarter of Section 33, Township 31 North, Range 5 East, W M in Snohomish County, Washington, Except the east 30 feet thereof conveyed to Snohomish county for Drainage District Number 5 as recorded under AF Number 236006			
DO YOU OWN THIS PROPERTY <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		IF NO, HAVE YOU SECURED FLOOD RIGHTS FOR LANDS TO BE INUNDATED <input type="checkbox"/> YES <input type="checkbox"/> NO	

5.

CONSTRUCTION OF IMPOUNDING STRUCTURE			
HEIGHT OF DAM (FEET) maximum crest to exterior toe: 7 feet, maximum crest to interior toe: 13.5 feet	LENGTH OF TOP (FEET) 2,060 LF new berm/dam, plus 1,150 LF shared berm/dam with Pond 1	LENGTH OF BOTTOM (FEET) 2,060 LF new berm/dam, plus 1,150 LF shared berm/dam with Pond 1	WIDTH ON TOP (FEET) 15 foot width along dam crest
SLOPE OF FRONT OR WATER SIDE (NUMBER OF FEET HORIZONTAL TO ONE FOOT VERTICAL) 3 feet : 1 feet		SLOPE OF BACK SIDE (NUMBER OF FEET HORIZONTAL TO ONE FOOT VERTICAL) 2 feet : 1 feet	
HEIGHT OF DAM ABOVE WATER LINE AT MAXIMUM FLOOD FLOW (FEET) 1.2 feet			
TYPE OF CONSTRUCTION OF DAM AND MATERIAL OF WHICH IT IS TO BE BUILT Berms shall be constructed partially or wholly of silty sand from the upper 3-ft of soil excavated on site. Imported silty soil, such as glacial till, may also be used. All materials shall meet, and test methods shall be performed, in accordance with current WSDOT standard specifications. Grading work shall conform to Division 2 of WSDOT's Standard Specifications for Road, Bridge, and Municipal Construction (2012 edition) and the site specific recommendations in the Draft Geotechnical Report - North Marysville Regional Pond 2 (November 6, 2012). It is recommended that earthwork be observed by a qualified geotechnical engineer to evaluate whether any undesirable/unsuitable materials are encountered and whether the exposed soil conditions are similar to those encountered during geotechnical explorations.			
LOCATION AND DIMENSIONS OF SPILLWAYS (STATE WHETHER OVER, AROUND, OR THROUGH DAM) The emergency spillway includes two existing overflow catchbasins within Pond, the overflow of the existing control structure in Pond 1, the overflow of the proposed Pond 2 control structure and a proposed trapezoidal spillway through the berm of Pond 2. The proposed trapezoidal spillway elevation in Pond 2 is located at the southeast corner of the pond (set at elevation 105.80). The proposed weir length is 116-feet (draft design). The draft design was prepared by others; final design and weir sizing is currently in progress. The existing Pond 1 emergency spillway as-built elevations are 106.00, 105.85, and 105.90. These elevations will be modified to 105.80 as part of the Pond 2 construction.			
NUMBER OF ACRES TO BE SUBMERGED BY RESERVOIR WHEN FULL 11.7 acres in proposed Pond 2 during the 100-yr event	MAXIMUM DEPTH (FEET) 11.3 feet	APPROXIMATE AVERAGE DEPTH (FEET) 6 feet	
ESTIMATED COST OF PROPOSED WORK \$2 - \$3 million			
CONSTRUCTION WILL BEGIN ON OR BEFORE (DATE) May 1, 2013		CONSTRUCTION WILL BE COMPLETED ON OR BEFORE (DATE) October 31, 2013	
SIZE AND TYPE OF OUTLET STRUCTURE Existing Pond 1 and proposed Pond 2 will be hydraulically connected. Low flows (up to the water quality design flow) will exit the system via the existing control structure in Pond 1. Flows above the water quality storm up through the 50-yr discharge exit via the existing Pond 1 flow control structure and the proposed Pond 2 flow control structure. Above the 50-yr discharge stormwater is released uncontrolled through the control structure overflows, two birdcage overflow structures in Pond 1, and the proposed Pond 2 spillway.			

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6.

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED (IF DIFFERENT THAN ABOVE)

COPY LEGAL DESCRIPTION FROM DEED: OR ATTACH COPY OF DEED. TAX STATEMENT DESCRIPTIONS ARE NOT ACCEPTABLE. ALSO OUTLINE THIS PROPERTY ON THE MAPS OR PLATS SUBMITTED WITH THIS APPLICATION.

N/A

DO YOU OWN THIS PROPERTY

YES NO

IF NO, GIVE NAME AND ADDRESS OF OWNER

Kari Chennault

Kari Chennault, City of Marysville
SIGNATURE OF APPLICANT

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

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ss.

This is to certify that I have examined the foregoing application together with the accompanying maps and data, and return the same for correction or completion as follows:

In order to retain its priority, this application must be returned to the Department of Ecology, with corrections, on or before, 20.....

Witness my hand this day of, 20.....

.....
Department of Ecology

If you require this document in an alternate format, please contact the Water Resource Program at (360) 407-6600 or TTY (for the speech or hearing impaired) at 711 or 1-800-833-6388.