



State of Washington  
**Application for a Water Right Permit**

SURFACE WATER    GROUND WATER  
 Permanent    Temporary    Short Term

**RECEIVED**  
 For Ecology Use  
 (Date Stamp)  
**JUL 17 2009**  
 Dept of Ecology  
 WR-NWRO

Follow the attached instructions. Attach additional sheets as necessary.

A NON-REFUNDABLE **MINIMUM** FEE OF \$50.00 PAYABLE TO THE DEPARTMENT OF ECOLOGY MUST ACCOMPANY THIS APPLICATION.

**Section 1. APPLICANT**

Applicant/Business Name: <b>City of Kent -Department of Public Works</b>	Phone No: <b>253-856-5520</b>	Other No: <b>253-856-5528</b>
Address: <b>220 4<sup>th</sup> Avenue South</b>		
City: <b>Kent</b>	State: <b>WA</b>	Zip: <b>98032</b>
Email Address (optional):		

Contact Name (if different from above): <b>Mike Mactutis</b>	Phone No: <b>253-856-5520</b>	Other No: <b>253-856-5528</b>
Relationship to Applicant: <b>Environmental Engineering Manager</b>		
Address: <b>Same</b>		
City: <b>Same</b>	State:	Zip:
Email Address (optional):		

**Section 2. STATEMENT OF INTENT**

Briefly describe the purpose of your proposed project: To fill on an as-needed seasonal basis, water inflated flood barriers (aqua dams) to be placed on top of approximately 10 miles of lowland Green River levees to abate/avoid Green River flooding that may occur due to storage problems affecting the Howard Hanson Dam and/or other related emergency conditions. Water would be pumped from the Green River to fill the aqua dams during fall/winter months and thereby provide up to 3 feet of additional levee clearance in advance of possible flood flow conditions. Specific locations of the aqua dams and fill locations/point of diversion have yet to be determined. Water contained in the aqua dams would be released/pumped back into the Green River when flood hazard has been abated. Please see cover letter for more detail.

Anticipated length of time to complete your project: 3 months

**Water Use** List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only)		Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
	<input type="checkbox"/> Cubic Feet per Second (CFS)	<input checked="" type="checkbox"/> Gallons per Minute (GPM)		
Municipal/Flood Management	6 5.5 hp pumps (650 gpm)		<b>19.59 afy/yr</b>	Seasonal/Fall - Winter
	Total Qi (3900 gpm)			
	<b>\$818.90 due.</b>			

For Ecology Use	APPLICATION NO: <b>51-28032</b>	SEP: <b>PER</b> <b>197-11-880</b>
	Fee Paid: <b>50-</b> Check No: <b>5504</b> ECY Coding: 001-001-WR1-0285-000011	
Date Returned	By	Priority Date <b>7/17/09</b> By <b>DB</b> WRIA: <b>9</b>

<b>TOTAL:</b>			

**Short Term/Temporary Water Use**

Is this a request for a short term project (less than four months and non-recurring)?  YES  NO

Is this request for a temporary permit?  YES  NO

If yes to either question above, indicate the dates that the water will be needed:

FROM: \_\_\_\_/\_\_\_\_/\_\_\_\_ TO: \_\_\_\_/\_\_\_\_/\_\_\_\_

For Ecology Use	APPLICATION NO: _____ SEPA: Exempt/Not Exempt
	Fee Paid: _____ Check No: _____ ECY Coding: 001-001-WR1-0285-000011
Date Returned _____	By _____ Priority Date _____ By _____ WRIA: _____

**Section 3. POINT OF DIVERSION OR WITHDRAWAL**

Complete A or B, and C below

<p><b>A.) If Surface Water Source</b></p> <p><input type="checkbox"/> Spring <input type="checkbox"/> Creek <input checked="" type="checkbox"/> River <input type="checkbox"/> Lake  <input type="checkbox"/> Other: _____</p> <p>Source Name: <u>Green River</u></p> <p>Tributary to: _____</p> <p>Number of proposed diversion points: <u>532</u></p> <p>Do you have an existing diversion? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>	<p><b>B.) If Ground Water Source</b></p> <p><input type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____</p> <p>Well diameter &amp; depth: _____</p> <p>Number of proposed points of withdrawal: _____</p> <p>Do you have an existing well? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>If available, attach Water Well Report and pump test.</p> <p>Well Tag ID No. _____</p>
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**C.) Point of Diversion/Withdrawal – Legal Description**

Parcel No.	¼	¼	Section	Township	Range	County
						King
Lot(s)	Block(s)		Subdivision			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:  
 \_\_\_\_\_ Feet ( North/ South) and \_\_\_\_\_ feet ( East/ West)  
 from the (NW SW NE SE \_\_\_\_) corner of Section \_\_\_\_\_.

Parcel No.	¼	¼	Section	Township	Range	County
Lot(s)	Block(s)		Subdivision			

If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:  
 \_\_\_\_\_ feet ( North/ South) and \_\_\_\_\_ feet ( East/ West)  
 from the (NW SW NE SE \_\_\_\_) corner of Section \_\_\_\_\_.

NOTE: If more than two points of diversion/withdrawal attach additional information on a separate sheet of paper.

Do you own the land on which the proposed point of diversion/withdrawal is located?  YES  NO  
 If no, do you have legal authority to make this application for use of another's land?  YES  NO  
 Provide the owner name(s), address, and phone number: \_\_\_\_\_

**Section 4. PLACE OF USE**

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

City of Kent - Exact locations of levees to be overlain by aqua dams is in process of determination.

¼	¼	Section	Twp.	Range	County	Parcel No.
					King	

Do you own all the lands on which the proposed place of use is located?  YES  NO.

If no, do you have legal authority to make this application for use of another's land?  YES  NO  
 Provide owner name(s), address, and phone number: \_\_\_\_\_

Are there any other water rights or claims associated with this property or water system?  YES  NO  
 If yes, provide the water right and/or claim numbers: See attached

Attach a map of your project showing the point of diversion/withdrawal and place of use. If platted property, be sure to include a complete copy of the plat map.

**Section 5. WATER SYSTEM DESCRIPTION**

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source): The aqua dam units proposed for use hold approximately 12,000 gallons and have general dimensions of units are 3' high, 7' wide, and 100' long. The individual 100 foot units may be linked to comprise 500 foot aqua dam segments. The City proposes to acquire approximately 532 of the 100 foot long aqua dam units which will be linked to comprise 106 segments (500 feet long) to protect up to 10 miles of lowland levees at greatest risk of overtopping from Green River flooding. Water would be pumped from the Green River to fill the aqua dams during fall/winter months and provide up to 3 feet of additional levee clearance in advance of possible flood flow conditions. Total volume stored in the aqua dams is projected to be 19.59 afy. Storage will occur by using six (6) 5.5 hp pumps, each with an approximate pumping capacity of 650 gpm to fill the individual aqua dam units. Each aqua dam has two fill ports, allowing a fill rate of 1300 gpm, or a total fill rate at three sites simultaneously of 3900 gpm.

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**Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION**

Complete A or B, and C below

A.) Domestic Water Systems only	B.) Municipal Water Systems only <i>(defined under RCW 90.03.015)</i>
Projected number of connections to be served: _____	Present population to be served water: _____
Type of connections: _____ <i>(e.g., home, recreational cabin)</i>	Estimate future population to be served: _____ (20 year projection)

**C.) Water System Planning**

Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division?  YES  NO

If yes, date plan was approved \_\_\_\_/\_\_\_\_/2002 Water System Number: 381501 (WFI)

Name of water system: Kent Water System

Are you within the service area of an existing water system?  YES  NO

If yes, explain why you are unable to connect to the system: \_\_\_\_\_

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**Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES**

**Irrigation**

Total number of acres requested to be irrigated under this application = \_\_\_\_\_ ACRES

NOTE: Outline the area to be irrigated on your attached map.

**Stockwater**

List number and kind of stock: \_\_\_\_\_

\_\_\_\_\_

Is the proposed project for a dairy farm?  YES  NO

**Other Proposed Farm Uses**

Describe all proposed uses: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Family Farm Water Act (RCW 90.66):**

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres?  YES  NO

Do you have a controlling interest in a Family Farm Development Permit?  YES  NO

If yes, enter Permit No: \_\_\_\_\_

**Section 8. OTHER WATER USES**

**Hydropower**

Indicate total feet of head \_\_\_\_\_ and proposed capacity in kilowatts: \_\_\_\_\_

Describe works: \_\_\_\_\_

\_\_\_\_\_

Indicate all uses to which power is to be applied: \_\_\_\_\_

FERC License No: \_\_\_\_\_

**Mining/Industrial Use**

Describe use, method of supplying and utilizing water: \_\_\_\_\_

\_\_\_\_\_

**Other Use**

Flood Hazard Management \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Section 9. WATER STORAGE**

Will you be using a dam, dike, or other structure to retain or store water?  YES  NO

Are you proposing to store more than 10 acre-feet of water?  YES  NO

Will the water depth be 10 feet or more?  YES  NO

If you answered yes to any of the above questions, please describe: The City will be using approximately 532 aqua

dams designed to the dimensions of 3 ' feet high, 7 feet wide, and 100 ' long. Each aqua dam unit holds a maximum of 12,000 gallons. Aqua dam units can be linked in segments 500' long. The City proposes to acquire, locate, and fill approximately 106 aqua dam segments (of 500 feet) over 10 miles of lowland levees, resulting in a total stored volume of approximately 19.59 afy.

NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point and some portion of the storage will be above grade, you must also complete an Application for Permit to Construct a Reservoir and a Dam Construction Permit and Application.

**Section 10. DRIVING DIRECTIONS**

Provide detailed driving directions to the project site: To be determined.

Site Address: City of Kent. Information will be provided.

**Section 11. REQUIRED SIGNATURES**

I certify that the information provided in this application is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though the employees of the Department of Ecology may have assisted me in the preparation of the above application, all responsibility for the accuracy of the information rests with me, the applicant.

<u>Larry Blanchard</u> Print Name (Applicant or authorized representative)	<u>Thomas D. Harkin for Larry Blanchard</u> Signature <u>City of Kent Public Works Director</u>	<u>7/16/09</u> Date
_____ Print Name (Landowner of Place of Use)	_____ Signature	_____ Date
_____ Print Name (Landowner of Place of Use)	_____ Signature	_____ Date
_____ Print Name (Landowner of Place of Use)	_____ Signature	_____ Date

Submit your application to: DEPARTMENT OF ECOLOGY  
CASHIERING SECTION  
PO BOX 5128  
LACEY WA 98509-5128

Please check the region in which your proposed project is located.  
 Southwest  Northwest  Central  Eastern

Below is a map of the State of Washington, with outlines of the four Ecology regional offices. If you have questions about your application, contact the Water Resources program at the regional office in which your project is located.