

**NOTICE OF INTENT FOR
FOR ENROLLMENT UNDER
WAIVER OF WASTE DISCHARGE REQUIREMENTS
ORDER NUMBER R1-2015-0023**



Submission of this Notice of Intent (NOI) to the North Coast Regional Water Quality Control Board (Regional Water Board) or an approved third party constitutes notice that a discharger, identified in Section I of this form, requests and receives authorization to discharge pursuant to the Waiver of Waste Discharge Requirements Order number R1-2015-0023 (Order). Upon submittal of the NOI, waste discharges are authorized pursuant to the conditions of the Order. Order coverage is required for existing Tier 1, 2, and 3 cultivation sites by February 15, 2016. Dischargers who begin operations after February 15, 2016, must file an NOI prior to commencement of cultivation activities.

To obtain authorization, dischargers must complete and submit this NOI form, encompassing sections I and II, complete and submit the reporting information required in Appendix C of the Order, and submit the appropriate fee. The reporting form in Appendix C must be submitted annually by March 31 thereafter and an annual fee is subject to a separate invoicing from the State Water Board. Any additional documentation required by the Order, such as a water resource protection plan, site map, and monitoring records must be completed and secured on-site, to be made available upon request by the Regional Water Board. This NOI form must be submitted upon enrollment and the discharger shall amend and resubmit the NOI within 30 days of changed site conditions that result in a change in Tier status.

Completed forms must be signed and submitted to the Regional Water Board or an approved third party.

Forms submitted to the Regional Water Board shall be submitted electronically to NorthCoast@waterboards.ca.gov or, if electronic submission is infeasible, hard copies can be submitted to: North Coast Regional Water Quality Control Board 5550 Skylane Boulevard, Suite A, Santa Rosa, CA 95403.

Fee payments shall be made payable either to an approved third party or the State Water Resource Control Board (SWRCB) according to the schedule in section 2200.7 of the Water Code. Approved third parties that collect fees from their enrollees are required to submit the fees to the Regional Water Board. Initial payments shall be submitted to: North Coast Regional Water Quality Control Board 5550 Skylane Boulevard, Suite A, Santa Rosa, CA 95403. Invoices will be issued annually, thereafter.

I. Discharger Information

First Name, Middle Initial

W i l d e r

Last Name

R i d g e L L C C O .

Mailing Address:

Street

4 0 3 R I F L E C A M P R D

City

W O O D L A N D P A R K

State

N J

ZIP

0 7 4 2 4

Phone Number:

- -

Email:

II. Site Information

Site Address:

Street

9 3 2 0 W i l d e r R i d g e R d

City

E t t e r s b u r g

State

G A

ZIP

9 5 5 4 2

Subwatershed (HUC-12)

*12-digit HUC-12 code available at http://iaspub.epa.gov/apex/grts/f?p=110:95::NO::APP_SHOW_HIDE:

1 8 0 1 0 1 0 7 0 2 0 5

Assessor's Parcel Number (APN)

1 0 8 - 0 2 3 - 0 8

Please check one of the following boxes to indicate which Tier you are enrolling under:

Tier 1 Tier 2 Tier 3

Under Tier 2, water resource protection plans must be developed within 180 days of submittal of this NOI form. Under Tier 3, cleanup and restoration plans must be submitted to the Regional Water Board within 45 days of submittal of this NOI form. Tier 3 enrollees that are cultivating must also be enrolled and comply with Tier 2 conditions.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision. The information contained in this document and all attachments is, to the best of my knowledge and belief, true, accurate, and complete. I agree to monitor and report on my site in compliance with the Order, including the Monitoring and Reporting Program (Appendix C) truthfully, accurately, and completely; complete Sections I and II, above; keep a copy of the Order, this NOI, the annual monitoring and reporting documents and, if applicable, the water resource protection plan and cleanup and restoration plan document(s) on site, and make them available to Water Board staff upon request. If there is a change in Tier status based on changed site conditions, the changes must be documented, appended to this document, and resubmitted to either the Regional Water Board or, if applicable, an approved third party.

Print name: Rados Milojvovic

Signature: *Rados Milojvovic*

Date: 6/1/2016

**Order No. R1-2015-0023
REPORTING FORM**

A. Site WDID: 1B16656CHUM

B. Subwatershed (HUC-12)²: 180101070201 BEAR CREEK

C. Enrollment date: JUNE 9, 2016

D. Reporting date: MARCH 31 2017



E. Please check the box corresponding to the enrolled site's current tier (Tier 3 sites with cultivation must also check Tier 2).

Tier 1 Tier 2 Tier 3

Has the site's tier status changed since the last reporting period? Y / N

If YES, briefly explain: _____

F. Check all fields that apply to the enrolled site:

i. Tier 1 sites:

(see Order at page 6 for details on Tier 1 characteristics)

- Average slope of each individual cultivation area is no more than 35% slope.
- Total cultivation area is no more than 5,000 square feet.
- No cultivation areas or associated facilities are located within 200 feet of a surface water. (Surface waters include wetlands and Class I, II, and III watercourses.)
- No surface water diversion from May 15 through October 31.
- The site is in compliance with all Standard Conditions under Order R1-2015-0023, section I.A.

ii. Tier 2 sites:

- a. A Water Resource Protection Plan has been developed and is being implemented?
Y / N

If NO, expected date when plan will be ready and implementation will begin:
AUGUST 2017

If YES, have there been changes to the implementation schedule since the prior year of reporting? Y / N

² 12-digit HUC-12 subwatershed codes are available online at
http://iaspub.epa.gov/apex/grts/f?p=110:95:::NO::APP_SHOW_HIDE:

REPORTING FORM

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ii. Tier 2 sites continued:

b. Check below as to whether or not the site meets Standard Conditions under Order R1-2015-0023, section I.A. If a standard condition is not yet met, please indicate the expected date of compliance as identified in the Water Resource Protection Plan. Upon initial enrollment, provide an estimated expected date of compliance.

Standard Condition Met

If NO, expected date of compliance

- 1. Site maintenance, erosion control, and drainage features Y / N
- 2. Stream crossing maintenance Y / N
- 3. Riparian and wetland protection and management Y / N
- 4. Spoils management Y / N
- 5. Water storage and use Y / N
- 6. Irrigation runoff Y / N
- 7. Fertilizers and soil amendments Y / N
- 8. Pesticides and herbicides Y / N
- 9. Petroleum products and other chemicals Y / N
- 10. Cultivation-related wastes Y / N
- 11. Refuse and human waste Y / N

December 2019

December 2019

c. All management measures are being implemented as part of the Water Resource Protection Plan? Y / N

If YES, do management measures appear to be effective in preventing and minimizing discharges of waste to surface water? Y / N

If management measures do not appear to be effective, are additional measures being implemented iteratively to prevent and minimize discharges of waste to surface water? Y / N

If NO, describe management measures or practices that have not been effective in preventing and minimizing discharges of waste to surface water, if applicable. Describe plans for new or additional management measures to prevent and minimize discharges of waste, if applicable. Attach additional sheets as necessary.

APN; 108-023-008.

REPORTING FORM

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- d. Will work to bring site into compliance with Standard Conditions require disturbance to a stream or wetland over the coming year? Y / N

If YES, indicate status of work authorization by Regional Water Board. Specifically, check one or more of the following and provide the date if/as applicable.

- I plan to submit my project plans to the Regional Water Board by the following date: _____
- I submitted my project plans to the Regional Water Board on the following date: _____
- The Regional Water Board Executive Officer authorized my project plans on the following date: _____
- I have elected to receive authorization for instream work under a different Regional Water Board permitting mechanism as follows:

- Instream work anticipated to occur between the following dates: _____

iii. Tier 2* sites:

Total cultivation area is less than 10,000 square feet? Y / N

Water resource protection plan developed and fully implemented? Y / N

All Standard Conditions met? Y / N

Site was inspected and verified as Tier 2* by Regional Water Board staff (NAME) _____ or approved third party program (NAME): _____ on (DATE) _____.

iv. Tier 3 Sites:

- A Cleanup and Restoration Plan has been submitted to the Regional Water Board for approval.
- The Cleanup and Restoration Plan has been approved by the Regional Water Board.
- The timeline for the approved Cleanup and Restoration plan is being followed.

Will restoration work require disturbance to a stream or wetland in the coming year? Y / N

Instream work anticipated to occur between the following dates: _____

- Cannabis cultivation is occurring or will occur on the site over the coming year. (If this box is checked, ensure that Tier 2 portions of the reporting form are completed as well).

REPORTING FORM

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v. For All Sites:

Annual Reporting Period (Calendar Year), or CHECK HERE if this is the report accompanying initial enrollment.

0	1	0	1	1	6	TO	1	2	3	1	1	6
Month/Day/Year							Month/Day/Year					

(See Order at page 6 for details regarding cultivation area and slope measurements, and watercourse definitions).

Total cultivation area (square feet)	17, 000 sq. ft.																										
Distance to surface waters (feet) from nearest edge of each cultivation area or associated facility. Provide distance measurement for each cultivated area separately, as appropriate.	150,300,300,550 ft																										
Average slope (percent slope) of each cultivated area List each cultivated area separately, as appropriate.	18%																										
Total number of road crossings of surface waters Surface waters include wetlands and Class I, II, or III watercourses.	2																										
Annual soil amendment and chemical use (pounds or gallons). Total mass and/or volume of soil amendment and/or chemical usage by type, product name, and nutrient content such as N-P-K ratio, if applicable.*	See Attachment																										
Total water storage capacity (gallons or acre feet)	81,500 gallons																										
Total surface water diversion by month (gallons or acre feet)*																											
	<table border="1"> <thead> <tr> <th>Jan</th><th>Feb</th><th>Mar</th><th>April</th><th>May</th><th>June</th><th>July</th><th>Aug</th><th>Sept</th><th>Oct</th><th>Nov</th><th>Dec</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec														
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Water input to storage by source and month (gallons or acre-feet) Report water volume input to storage, listing each source separately. This may include inputs from rainfall catchment, surface water diversions, groundwater pumping, or water delivery. If water is delivered, list delivery date, delivery volume, and name and address of water purveyor.*																											
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Water use by source and month (gallons or acre feet) Report water volume used, listing each source separately. This may include use of stored water, immediate use of pumped groundwater, diverted surface water, or delivered water. If water is delivered, list delivery date, delivery volume, and name and address of water purveyor.*																											
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Source	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec															
* Upon initial enrollment only, a best estimate is acceptable for reporting annual soil amendment and chemical use, monthly water stored, and monthly water use. Attach additional sheets if more space is needed for your responses.																											

REPORTING FORM

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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision. The information contained in this document and all attachments is, to the best of my knowledge and belief, true, accurate, and complete.

Print name: Tyler Ledwith, Agent for Big River Farms LL (Wilder Ridge)

Signature: *Tyler Ledwith* Date: May 9, 2017

Preparer: Complete if MRP was prepared by someone other than the discharger, including an approved third-party

Organization Name (if applicable):

M A N H A R D C O N S U L T I N G

Prepared by:

First Name, Middle Initial

T Y L E R S

Last Name

L E D W I T H

Preparer Address:

Street

5 1 7 3 R D S T . S U I T E 6

City

E U R E K A

State

C A

ZIP

9 5 5 0 1

Phone Number:

7 0 7 4 4 4 3 8 0 0

Email:

T L E D W I T H @ M A N H A R D . C O M

APN: 108-023-008

The Monitoring and Reporting Program (MRP) is being filed as part of the Annual Reporting for 2016. A scoping site visit has been conducted, though a Water Resources Protection Plan (WRPP) has not yet been developed.

1. Site maintenance, erosion control, and drainage features

The cultivation area is located along a ridge. The WRPP will include site maintenance, drainage, erosion, and sediment control measures for hillslope, roads, stream crossings, and landings. While the WRPP is being developed, the enrollee will install interim erosion control measures for all roads, trails, fill prisms, and terraced areas to prevent sediment delivery to the stream system. The Best Management Practices (BMPs) recommended in the Regional Water Board's (RWB) Waiver of Waste Discharge Order (Order R1-2015-0023) shall be referred to for interim erosion control measures. These BMPs need to be maintained to prevent soil transport to receiving waters until the WRPP is finalized. **Compliance: December 2019.**

2. Stream crossing maintenance

There are two stream crossings that needs further evaluation to determine condition and whether they are properly sized pass the expected 100-yr peak streamflow event. **Compliance: December 2019.**

3. Riparian and wetland protection and management

All cultivation sites and buildings are more than 150 ft. from Class III streams and on slopes less than 20% (see Table 1). Riparian buffers shall be maintained with a natural slope and native vegetation, and have sufficient width to filter any runoff from the cultivation site into the stream. All riparian areas shall be protected in order to maintain their essential functions. **In Compliance.**

Cultivation Area or Associated Facility	Distance to Water Body (ft)	Cultivation Area Slope	Water Body Type
Greenhouse #1 (3,850 sq ft)	150	5%	Class III Seasonal Drainage
Greenhouse #2 (3,850 sq ft)	300	5%	Class III Seasonal Drainage
Greenhouse #3 (3,850 sq ft)	550	5%	Class III Seasonal Drainage
Greenhouse #4 (5,500 sq ft)	300	5%	Class III Seasonal Drainage

4. Spoils management

Spoils are properly contained and stabilized. **In Compliance.**

5. Water storage and use

Land owner is currently using water from a well for domestic and agricultural use. Water is stored water in 81,500 gallons of tanks for summer use. The well is on a ridge and was determined to be confined aquifer. Permits for the well are being requested from Humboldt County. Water use and storage shall also be conducted pursuant a valid water right and in compliance with the required reporting under Water Code section 5101. **In Compliance**

6. Irrigation runoff

Water conservation measures have been implemented and runoff is not discharged into nearby waters. **In Compliance.**

7. Fertilizers and soil amendments

All fertilizers and soil amendments are stored in a 20' x 24' shed on the property with secondary containment. Cultivation areas shall be fertilized and amended at agronomic rates and will be maintained in such a way as to contain any excess nutrients. **In Compliance.**

8. Pesticides and herbicides

All pesticides and herbicides are stored in a 20' x 24' shed on the property with secondary containment. The use of pesticide and herbicide products shall be consistent with the California Code of Regulations, title 3, section 6147 and applied according to product labeling. **In Compliance.**

9. Petroleum products and other chemicals

All petroleum products and liquid chemicals are stored in a 20' x 24' shed on the property with secondary containment. The site is on PG&E municipal power so no generators are being used. The enrollee shall implement spill prevention countermeasures and keep an ample supply of appropriate cleanup materials near storage and work areas. **In Compliance.**

10. Cultivation Related Waste

Vegetation matter such as root balls and large branches are being appropriately stored in a designated area where the residues will not migrate into surface waters. All excess cultivation waste is being burned or composted in the same designated area. The used soil is being amended and reused in all garden beds and pots. Excess soil is also being properly stored within each greenhouse landing as needed. All packaging from soil amendments and fertilizers is being collected and disposed at an appropriate facility. **In Compliance.**

11. Refuse and human waste

There are two existing permitted septic system on site, one for each house. While the WRPP is being developed, the enrollee will collect and store garbage in trash containers of sufficient size and number to contain the solid waste generated on site. Special care will be taken to remove garbage. **In Compliance.**

**NCRWRCB Cannabis Cultivation Waste Discharge Regulatory Program
Yearly Monitoring Reporting 2016**

Water Diversion, Storage, and Use

Organization/Name:	Big River Farm LLC
APN:	108-023-08

PARAMETER	QUANTITY	NOTES
Cultivation Area (ft ²)	17,050	
Domestic Use (Gallons)	30,000	
Cannabis Use (Gallons)	220,000	
Storage (Gallons)	81,500	

Total surface water diversion by source and month (gallons or acre-feet)

Source	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Well - Tanks	26,000	26,000									3,000	26,500	81,500
Well - Cannabis			6,000	11,000	11,000	26,500	42,000	42,000					138,500
Well Domestic 1	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	18,000
Well Domestic 2			1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500			12,000
Total	27,500	27,500	9,000	14,000	14,000	29,500	45,000	45,000	3,000	3,000	4,500	28,000	250,000

Water input to storage by source and month (gallons or acre-feet)

Storage - Source	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Tanks	26,000	26,000									3,000	26,500	81,500
Total	26,000	26,000	-	-	-	-	-	-	-	-	3,000	26,500	81,500

Water use by source and month (gallon or acre-feet)

Use-Source	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Cannabis-Storage							12,000	60,000	9,500				81,500
Cannabis-Well			5,000	10,500	36,000	60,000	27,000						138,500
Well Domestic 1	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	18,000
Well Domestic 2			1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500			12,000
Total	1,500	1,500	8,000	13,500	39,000	63,000	42,000	63,000	12,500	3,000	1,500	1,500	250,000

ATTACHMENT D. CULTIVATION FERTILIZER, SOIL AMENDMENTS, HERBICIDE, AND PESTICIDE LIST

TABLE D1. Fertilizers, Soil amendments, Herbicides, and Pesticides used at Big River Farms. APN: 108-023-008

Brand	Type	N/P/K/Active Ingredients	Manufacturer Recommended Application	2016 Quantity Used
Roots Organics Formula 707	Soil Amendment	-	-	128 cy
Sparetime Supply: Archipelago Bat Guano	Fertilizer	0-7-0	1-2 Tbsp per 4 gallons of soil. Apply every 6 weeks.	171 gals
Soil Scape Solution Bat Guano	Fertilizer	7-3-1	-	171 gals
Sparetime Supply: Mocha Bat Guano	Fertilizer	4-6-1	Top dress or mix into soil top 1-2 inches	171 lbs
Roots Organic Phosphorous Bat Guano	Fertilizer	0-7-0	<u>Container Gardening / Top Scratch:</u> 1 tsp (5 ml) per 1 gallon of soil. 2 tsp (10 ml) per 5 gallons of soil. 1 Tbsp (15 ml) per 10 gallons of soil. <u>Liquid Application:</u> 2 tsp (10 ml) per gallon. <u>Vegetable Gardens and Flower Beds:</u> 2 - 4 lbs per 100 square feet and mix into soil.	46 gallons
Heritage Organics - Worm Casting	Fertilizer	Earthworm Casting	<u>Use:</u> 1 part earthworm casting to 4 parts potting soil	682 lbs
Alaska Fish Fertilizer	Fertilizer	6-3-3 & 2-10-10	2 - 3 Tbs per gallon of water for every 25 sq. ft. of soil	56 gallons
Earth Juice Grow	Fertilizer	2-1-1	1 tsp to 8 tsp per gallon every 2 to 4 weeks	49 gallons
Earth Juice Bloom	Fertilizer	0-3-1	1 tsp to 6 tsp per gallon of water	49 gallons
Maxsea Grow Liquid Seaweed Fertilizer	Fertilizer	16-16-16	1 -2 Tbsp per gallon of water every 7 -14 days.	102 gallons
Maxsea Liquid Seaweed Fertilizer	Fertilizer	3-20-20	1 -2 Tbsp per gallon of water every 7 -14 days.	102 gallons
Earth Juice: Hi-Brix Molasses for Plants	Fertilizer	0-0-3	1 tsp (mild) to 2 Tbsp (strong) per gallon of water. Use every 4 weeks.	49 gallons

Brand	Type	N/P/K/Active Ingredients	Manufacturer Recommended Application	2016 Quantity Used
Sparetime Supply: Steamed Bone Meal	Fertilizer	1-12-0	<u>Beds:</u> To prepare garden beds, apply 3-6 lbs per 100 sq. ft. For new transplants, add 1-2 Tbsp per hole. To feed established plants, side dress 2-4 oz once each month during the growing season. <u>Containers:</u> For new plantings, add 1-2 tsp per gallon of soil or add 10 lbs per cubic yard of soil. For established plants, lightly mix 1-2 Tbsp per gallon into the soil surface once each month during the growing season.	341 lbs
Neem Oil	Herbicide/ Pesticide	Neem Oil	-	26 gallons
Diatomaceous Earth	Pesticide	-	-	51 lbs
Magriculture	Fertilizer	Magnesium 9.8% Sulfate 12.9%	-	26 lbs

* Per 17,050 ft² of cultivation