



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Bellingham Field Office • 1440 10th Street, Ste 102 • Bellingham, WA 98225
(360) 715-5200 • FAX (360) 715-5225

April 13, 2016

Jim Riggan
Sarbanand Farms LLC
4625 Rock Road
Sumas, WA 98295

Re: Administrative Order
Notice of Penalty

| | |
|--|---|
| Immediate Action Order Docket # | 13260 |
| Notice of Penalty Docket # | 13096 |
| Site Location | Sarbanand Farms 4625 Rock Road Sumas, WA |
| Penalty Amount | \$ 20,000.00 |
| Due Date | Within 30 days after receiving this Administrative Order and Notice of Penalty. |

Dear Mr. Riggan:

The Department of Ecology (Ecology) has issued the enclosed Immediate Action Order Docket # 13260 and Notice of Penalty Docket # 13096 to Sarbanand Farms, LLC for violating provisions of:

- Chapter 90.48 Revised Code of Washington (RCW) - Water Pollution Control

Please read the following enclosures:

- **Immediate Action Order:** Provides a description of the required corrective actions and options for responding to the Order.
- **Notice of Penalty:** Describes the violation(s) and the options for responding to the penalty.
- **News Release:** Ecology issues news releases for all major penalties and enforcement actions, including this one. A courtesy copy of the draft news release is enclosed. If you have a comment or question, contact Ecology communication manager Krista Kenner at



Jim Riggan, Sarbanand Farms
April 13, 2016
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(360) 715-5220 or Krista.Kenner@ecy.wa.gov within one business day of when you first receive the draft news release.

If you have questions please contact Jessica Kirkpatrick at (360) 715-5217 or Jessica.Kirkpatrick@ecy.wa.gov

Sincerely,



Douglas R. Allen
Manager
Bellingham Field Office

Enclosures: Immediate Action Order Docket #13260
Notice of Penalty Docket #13096
Draft News Release

By certified mail #70142870000134344725

cc: Fiscal-Penalty Desk, Ecology

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

IN THE MATTER OF PENALTY)
ASSESSMENT AGAINST)
Sarbanand Farms LLC)
Jim Riggan)

NOTICE OF PENALTY
INCURRED AND DUE
PENALTY DOCKET #13096

To: Jim Riggan
Sarbanand Farms LLC
4625 Rock Road
Sumas, WA 98295

| | |
|----------------------------|--|
| Notice of Penalty Docket # | 13096 |
| Site Location | 4721 & 4775 Rock Road, Sumas, WA 98295 |
| Penalty Amount | \$20,000.00 |
| Due Date | Within 30 days after receiving this Notice of Penalty. |

The Department of Ecology (Ecology) has assessed a penalty against Sarbanand Farms LLC in the amount of \$20,000.00 for violating provisions of:

- Chapter 90.48 Revised Code of Washington (RCW) – Water Pollution Control

Ecology has authority to issue this penalty under RCW 90.48.144 and is basing the penalties on the violations listed in this notice.

DETERMINATION OF VIOLATION(S)

Ecology's determination that a violation/violations has/have occurred is based on the violations listed below.

Sarbanand Farms, LLC operates a blueberry farm east of Sumas, Washington. On November 17, and December 9, 2015 Ecology documented discharges of manure-polluted water caused by a poorly-timed manure application on a blueberry field operated by Sarbanand Farms. Such a discharge is a violation of the state Water Pollution Control Act under RCW 90.48.080.

On April 17, 2014, Ecology issued a Notice of Penalty (NOP #10455) to Sarbanand Farms for discharges of manure-contaminated water to state waters. Sarbanand Farms caused these discharges by applying manure to a field prior to and during a predicted rain event without taking steps to prevent the manure from discharging to a tributary of Saar Creek.

This penalty is based on two instances of documented discharges of a pollutant to state waters, on November 17, 2015, and December 9, 2015 from Sarbanand Farm's operations. These

polluted discharges resulted from Sarbanand Farm's failure to implement best management practices (BMPs) to prevent discharges of manure contaminated water into state waters when they applied manure to a blueberry field in late October, 2015. A \$10,000 penalty was calculated for each day's discharge, resulting in a total penalty of \$20,000. The penalty calculation considers that this discharge is substantially similar to discharges cited in the Notice of Penalty #10455 issued to Sarbanand Farms in 2014.

Discharge No. 1, November 17, 2015:

Ecology responded to a report received (Environmental Report Tracking System #660799) regarding pollution discharges from Sarbanand Farm's operation into a tributary of Saar Creek. Ecology photographed water discharging in multiple locations from Sarbanand Farms' operation into the tributary of Saar Creek along Rock Road at 4721 and 4775 Rock Road east of Sumas, Washington (see Appendix A Photos 1-2). Ecology observed mulch material including manure in and around the Rock Road roadside ditch. Ecology collected the following two water quality samples. See map in Appendix B for discharge locations. See Appendix C for the laboratory report documenting these sample results:

- Sample SR2 was collected from the tributary of Saar Creek along Rock Road directly downstream of several points of active discharge from Sarbanand Farms' blueberry operation. No water was flowing in this stream upstream of the Sarbanand field at 4721 Rock Road. Discharges from the field to the south of Rock Road were the only source of water into the ditch at this point. Laboratory analysis of this water quality sample confirmed contamination with 4,100 fecal coliform colonies per 100 mL of water (FC/100mL). This was more than 20 times the state water quality standard of 200 FC/100mL.
- Sample SR3 was collected from a trench that was draining stormwater runoff from the field into the tributary of Saar Creek. Laboratory analysis of this sample confirmed runoff from the field was contaminated with 6,000 FC/100mL, 30 times the water quality standard.

Discharge No. 2, December 9, 2015:

Ecology observed water discharging through berry rows covered in manure into the tributary of Saar Creek along Rock Road at multiple locations (see Appendix A, Photos 3-5). BMPs had not been implemented to prevent water contaminated with manure from discharging from the berry operation into the tributary of Saar Creek along Rock Road. Ecology collected the following two water quality samples (see Appendix B for a map of sample locations and Appendix D for the laboratory report documenting these sample results):

- Sample SR7 was collected from a channel of concentrated flow discharging from the blueberry field into the tributary of Saar Creek along Rock Road. Laboratory analysis of this sample confirmed this water was contaminated with 35,000 FC/100mL, more than 175 times the water quality standard of 200 FC/100mL.

- Sample SR6 was collected from the tributary of Saar Creek along Rock Road ditch immediately downstream of several points of discharge from the Sarbanand blueberry operation. Laboratory analysis confirmed that it was contaminated with 1,595 FC/100mL, almost 8 times the water quality standard.

ELIGIBILITY FOR PAPERWORK VIOLATION WAIVER AND OPPORTUNITY TO CORRECT

Ecology has determined the violations described in this Order are not paperwork violations under RCW 34.05.110 and therefore you are not eligible for a waiver for a first-time paperwork violation.

FAILURE TO COMPLY WITH THIS NOTICE OF PENALTY

Continued failure to correct the violations listed in this Notice of Penalty may result in additional, escalated penalties.

OPTIONS FOR RESPONDING TO A NOTICE OF PENALTY

Option 1: Pay the penalty within 30 days after receiving the Notice of Penalty.

Make your payment payable to the *Department of Ecology*. Please include the penalty docket number on your payment.

Mail payment to:

Department of Ecology
Cashiering Unit
PO Box 47611
Olympia, WA 98504-7611

Note: Ecology may take legal action to collect the penalty if you have not paid 30 days after receiving the Notice of Penalty, and have not appealed.

Option 2: Appeal to the PCHB and serve Ecology within 30 days after the date of receipt of the Notice of Penalty.

The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do both of the following within 30 days after the date of receipt of this Notice of Penalty:

- File your appeal and a copy of this Notice of Penalty with the Pollution Control Hearings Board (PCHB) during regular business hours.

- Serve a copy of your appeal and this Notice of Penalty on Ecology in paper form, by mail or in person. E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

ADDRESS AND LOCATION INFORMATION

| Street Addresses | Mailing Addresses |
|--|---|
| Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503 | Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608 |
| Pollution Control Hearings Board 1111 Israel Road SW STE 301 Tumwater, WA 98501 | Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903 |

CONTACT INFORMATION

Please direct all questions about this Notice of Penalty to:

Jessica Kirkpatrick
Department of Ecology
Bellingham Field Office
1440 10th St. Suite 102

Phone: (360) 715-5217
Email: Jessica.Kirkpatrick@ecy.wa.gov

MORE INFORMATION

- **Pollution Control Hearings Board:**
www.eho.wa.gov/Boards_PCHB.aspx
- **Chapter 43.21B RCW - Environmental and Land Use Hearings Office – Pollution Control Hearings Board**
<http://app.leg.wa.gov/RCW/default.aspx?cite=43.21B>
- **Chapter 371-08 WAC – Practice and Procedure**
<http://app.leg.wa.gov/WAC/default.aspx?cite=371-08>

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- **Chapter 34.05 RCW – Administrative Procedure Act**
<http://app.leg.wa.gov/RCW/default.aspx?cite=34.05>
- **Laws:** www.ecy.wa.gov/laws-rules/ecyrcw.html
- **Rules:** www.ecy.wa.gov/laws-rules/ecywac.html

SIGNATURE



Douglas R. Allen
Manager
Bellingham Field Office

4/13/2016

April 13, 2016

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

IN THE MATTER OF AN)
IMMEDIATE ACTION ORDER)
AGAINST)
Sarbanand Farms, LLC)
Jim Riggan, Manager)

IMMEDIATE ACTION
ORDER
DOCKET # 13260

To: Jim Riggan
Sarbanand Farms, LLC
4625 Rock Road
Sumas, WA 98295

| | |
|----------------|--|
| Order Docket # | 13260 |
| Site Location | 4721 & 4775 Roack Road, Sumas WA 98259 |

The Department of Ecology (Ecology) has issued this Immediate Action Order (Order) requiring Sarbanand Farms LLC to comply with:

- Chapter 90.48 Revised Code of Washington (RCW) – Water Pollution Control

Chapter 90.48.120(2) RCW gives Ecology the authority to issue Immediate Action Orders requiring compliance whenever it determines that a person has violated Chapter 90.48 RCW.

DETERMINATION OF VIOLATION(s) AND ORDER TO COMPLY

Ecology's determination that a violation/violations has/have occurred is based on the violations listed below.

Sarbanand Farms, LLC operates a blueberry farm east of Sumas, Washington. On November 17, and December 9, 2015 Ecology documented discharges of manure-polluted water caused by a poorly-timed manure application on a blueberry field operated by Sarbanand Farms. Such a discharge is a violation of the state Water Pollution Control Act under RCW 90.48.080.

On April 17, 2014, Ecology issued a Notice of Penalty (NOP #10455) to Sarbanand Farms for discharges of manure-contaminated water to state waters. Sarbanand Farms caused these discharges by applying manure to a field prior to and during a predicted rain event without taking steps to prevent the manure from discharging to a tributary of Saar Creek.

This penalty is based on two instances of documented discharges of a pollutant to state waters, one on November 17, 2015, and one on December 9, 2015 from Sarbanand Farm's operations.

These polluted discharges resulted from Sarbanand Farm's failure to implement best management practices (BMPs) to prevent discharges of manure contaminated water into state waters when they applied manure to a blueberry field in late October, 2015. A \$10,000 penalty was calculated for each day's discharge, resulting in a total penalty of \$20,000. Ecology considered the Notice of Penalty #10455 issued to Sarbanand Farms in 2014 for substantially similar discharges in calculating this penalty.

Discharge No. 1, November 17, 2015:

Ecology responded to a report received (Environmental Report Tracking System #660799) regarding pollution discharges from Sarbanand Farm's operation into a tributary of Saar Creek. Ecology photographed water discharging in multiple locations from Sarbanand Farms' operation into the tributary of Saar Creek along Rock Road at 4721 and 4775 Rock Road east of Sumas, Washington (see Appendix A Photos 1-2). Ecology observed mulch material including manure in and around the Rock Road roadside ditch. Ecology collected the following two water quality samples. See map in Appendix B for discharge locations. See Appendix C for the laboratory report documenting these sample results:

- Sample SR2 was collected from the tributary of Saar Creek along Rock Road directly downstream of several points of active discharge from Sarbanand Farms' blueberry operation. No water was flowing in this stream upstream of the Sarbanand field at 4721 Rock Road. Discharges from the field to the south of Rock Road were the only source of water into the ditch at this point. Laboratory analysis of this water quality sample confirmed contamination with 4,100 fecal coliform colonies per 100 mL of water (FC/100mL). This was more than 20 times the state water quality standard of 200 FC/100mL.
- Sample SR3 was collected from a trench that was draining stormwater runoff from the field into the tributary of Saar Creek. Laboratory analysis of this sample confirmed runoff from the field was contaminated with 6,000 FC/100mL, 30 times the water quality standard.

Discharge No. 2, December 9, 2015:

Ecology observed water discharging through berry rows covered in manure into the tributary of Saar Creek along Rock Road at multiple locations (see Appendix A, Photos 3-5). BMPs had not been implemented to prevent water contaminated with manure from discharging from the berry operation into the tributary of Saar Creek along Rock Road. Ecology collected the following two water quality samples (see Appendix B for a map of sample locations and Appendix D for the laboratory report documenting these sample results):

- Sample SR7 was collected from a channel of concentrated flow discharging from the blueberry field into the tributary of Saar Creek along Rock Road. Laboratory analysis of this sample confirmed this water was contaminated with 35,000 FC/100mL, more than 175 times the water quality standard of 200 FC/100mL.

- Sample SR6 was collected from the tributary of Saar Creek along Rock Road ditch immediately downstream of several points of discharge from the Sarbanand blueberry operation. Laboratory analysis confirmed that it was contaminated with 1,595 FC/100mL, almost 8 times the water quality standard.

Corrective actions required:

For these reasons and in accordance with RCW 90.48.120(2) it is ordered that Sarbanand Farms take the following actions. These actions are required at the location known as Sarbanand Farms located at 4625 Rock Road in Sumas, Washington and its associated berry fields.

- 1) Within 30 days of receipt of this Order, Sarbanand Farms LLC is required to:
 - a. Implement all BMPs necessary to prevent contaminated discharges from all areas where manure has been applied to Sarbanand Farms' fields in the last 6 months, and from all stockpiles of manure under the control of Sarbanand Farms.
 - b. Submit a report to Ecology which describes:
 - i. The immediate actions that have been taken or initiated following receipt of this Order to prevent further contaminated discharges from Sarbanand Farms' operation.
- 2) Within 90 days of receipt of this Order, Sarbanand Farms LLC is required to submit a plan to Ecology for approval which describes how their operations will be managed to prevent future discharges of pollutants to state waters from materials used on the farm including manure.
 - a. At a minimum, the plan must address the following:
 - i. The prevention of manure contaminated discharges from the application of manure both as a soil amendment and as dressing on existing berry rows.
 - ii. The prevention of polluted discharges from the storage and handling of manure, saw dust, and any other material used in farm operations that can contribute pollutants to stormwater runoff.
 - b. The plan must also include the following information:
 - i. A description of all necessary management and structural best management practices (BMPs) needed to prevent future discharges of pollution into state waters.
 - ii. A site map of Sarbanand Farms' existing operations clearly showing the locations of structural BMPs, existing and planned crop fields, and all surface waters intersecting or adjacent to crop fields.
 - iii. A description of how Sarbanand Farms' staff will be trained to implement the management BMPs.

- iv. A description of appropriate BMP maintenance criteria to evaluate the effectiveness of the BMPs and determine when maintenance is required.
 - c. The plan must be prepared:
 - i. By staff of the Whatcom Conservation District, or
 - ii. By or under the supervision of a qualified professional engineer licensed in the state of Washington, or
 - iii. By another qualified individual approved by Ecology based on the individual's demonstrated competency in a relevant field.
- 3) Sarbanand Farms shall not apply manure to its property until the plan outlined in section 2 is approved by Ecology.
- 4) Within 90 days of receipt of the approved plan, Sarbanand Farms LLC is required to have fully implemented the plan.
 - a. Sarbanand Farms LLC is required to submit a report clearly describing the actions that have been completed to implement the plan. The report must include photos of structural improvements, and an updated version of the map described in section II.b.ii, above.
 - b. Ecology may approve a deadline extension for the implementation of specific BMPs. Sarbanand Farms must submit a request in writing to Ecology within 15 days of receipt of the approved plan describing the specific reasons that more time is needed to implement those BMPs.
- 5) Any changes to the plan required in section II, above, must be submitted to Ecology within 14 days of implementing the change. Changes to the plan must continue to prevent the discharge of pollutants to state waters and protect water quality.
- 6) If the BMPs described in the plan required in section II are implemented and maintained properly and Ecology continues to detect discharges or observes conditions that cause or will likely cause pollution, then Ecology may require the implementation of additional appropriate structural and/or management BMPs.

ELIGIBILITY FOR PAPERWORK VIOLATION WAIVER AND OPPORTUNITY TO CORRECT

Ecology has determined the violation(s) described in this Order are not paperwork violations under RCW 34.05.110 and therefore you are not eligible for a waiver for a first-time paperwork violation.

FAILURE TO COMPLY WITH THIS ORDER

Failure to comply with this Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the terms of this Order.

YOUR RIGHT TO APPEAL

You have a right to appeal this Order to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this Order. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do both of the following within 30 days of the date of receipt of this Order:

- File your appeal and a copy of this Order with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this Order on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

Your appeal alone will not stay the effectiveness of this Order. Stay requests must be submitted in accordance with RCW 43.21B.320.

ADDRESS AND LOCATION INFORMATION

| Street Addresses | Mailing Addresses |
|--|---|
| Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503 | Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608 |
| Pollution Control Hearings Board 1111 Israel Road SW STE 301 Tumwater, WA 98501 | Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903 |

CONTACT INFORMATION

Please direct all questions about this Order to:

Jessica Kirkpatrick
Department of Ecology
Bellingham Field Office
1440 10th St. Suite 102
Phone: (360) 715-5217

Email: Jessica.Kirkpatrick@ecy.wa.gov

MORE INFORMATION

- **Pollution Control Hearings Board Website**
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- **Chapter 43.21B RCW - Environmental and Land Use Hearings Office – Pollution Control Hearings Board**
<http://app.leg.wa.gov/RCW/default.aspx?cite=43.21B>
- **Chapter 371-08 WAC – Practice And Procedure**
<http://app.leg.wa.gov/WAC/default.aspx?cite=371-08>
- **Chapter 34.05 RCW – Administrative Procedure Act**
<http://app.leg.wa.gov/RCW/default.aspx?cite=34.05>
- **Laws:** www.ecy.wa.gov/laws-rules/ecyrcw.html
- **Rules:** www.ecy.wa.gov/laws-rules/ecywac.html

SIGNATURE



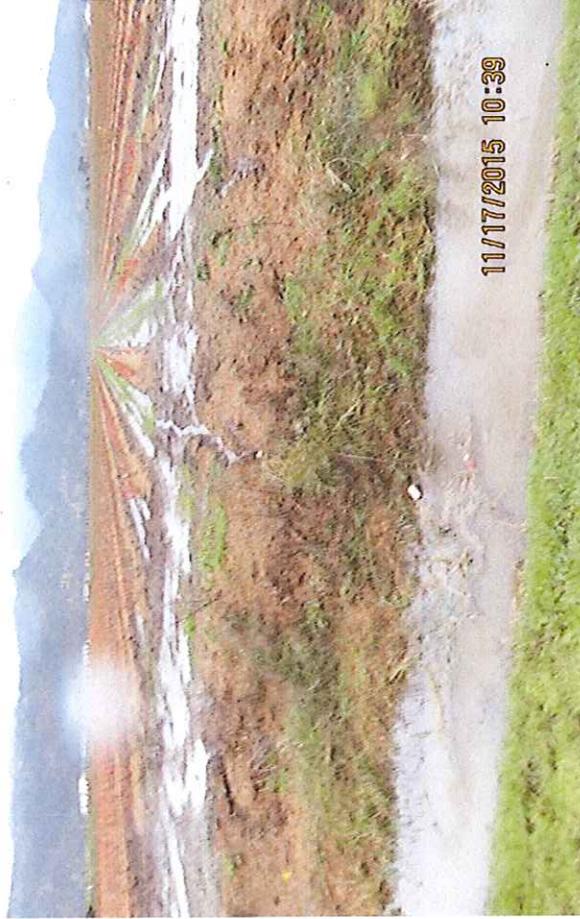
Douglas R. Allen
Manager,
Bellingham Field Office

4/13/2016

April 13, 2016

Appendix A— Photo Log

1) November 17th, 2015 – This photo shows water draining off of Sarbanand Farm's blueberry field into the Rock Road roadside ditch. The concentrated flow visible in the middle of the photo is a hand-dug trench. Manure and sawdust is visible on the berry rows, and on the banks of the ditch.



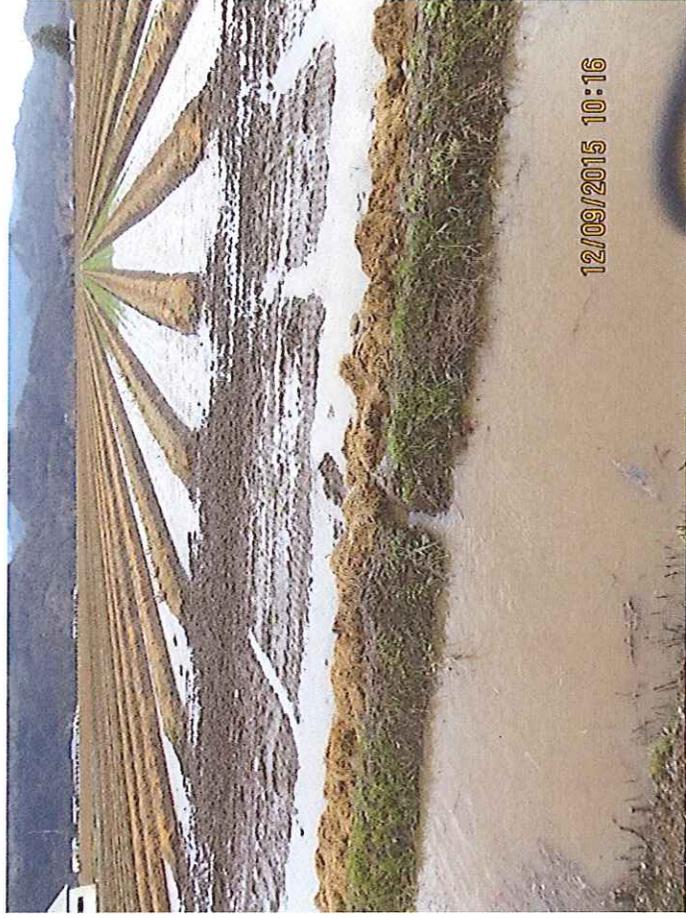
2) November 17th, 2015 – This photo shows water draining off of Sarbanand Farm's blueberry field into the Rock Road roadside ditch. The concentrated flow visible in the middle of the photo is a hand-dug trench. Manure and sawdust is visible on the berry rows, and on the banks of the ditch.



3) December 1st, 2015— This photo shows manure solids applied to the tops of berry rows on Sarbanand Farm's field south of Rock Road. This field drains into the Rock Road roadside ditch.



4) December 9th, 2015 — This photo shows water flowing over and through berry rows covered with manure into the Rock Road roadside ditch.



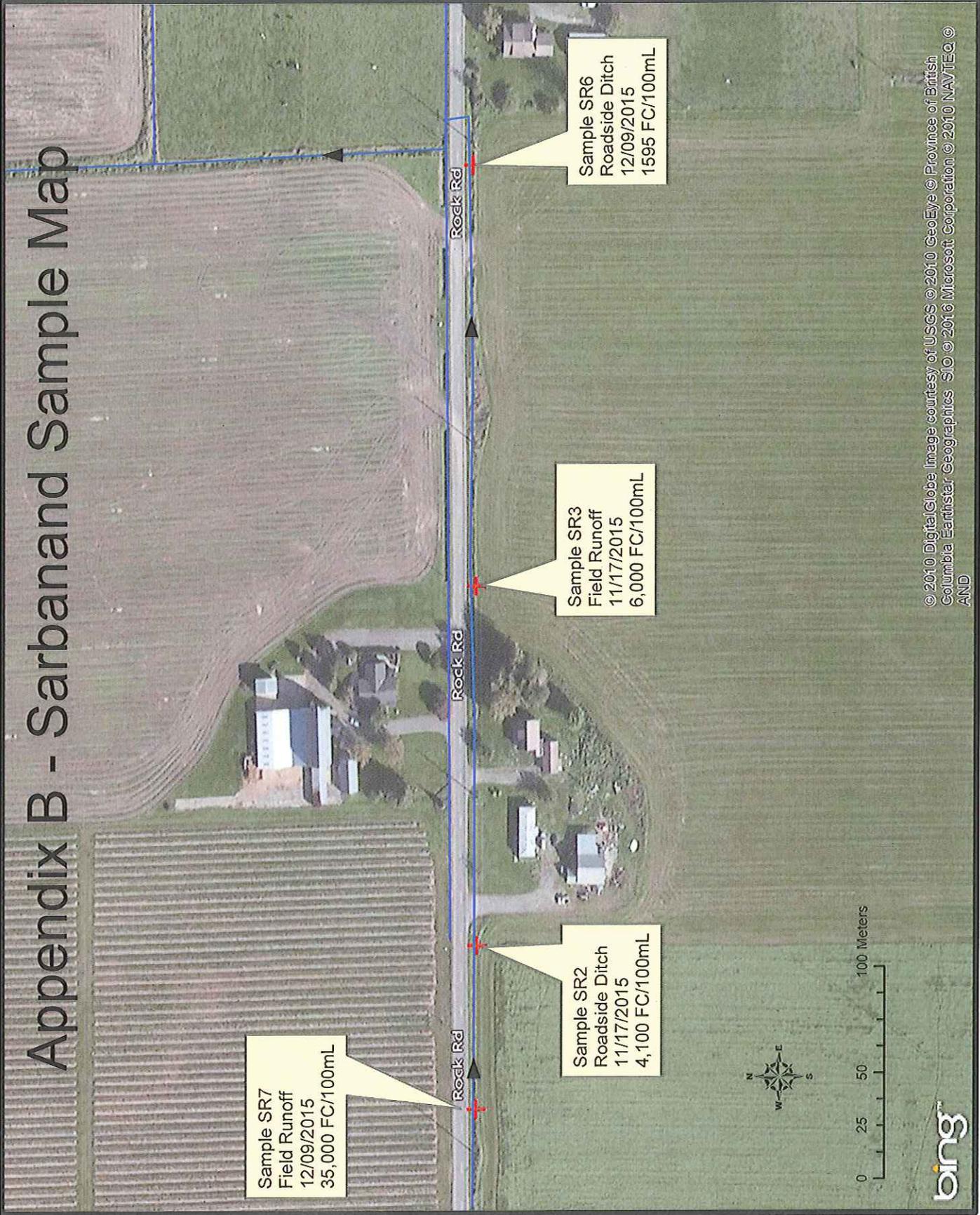
3) December 9th, 2015– This photo shows water draining through manure solids and saw dust applied to the tops of berry rows on Sarbanand Farm's field south of Rock Road.



4) December 9th, 2015 – This photo shows water running over and through berry rows covered with manure into the Rock Road roadside ditch.



Appendix B - Sarbanand Sample Map





Burlington, WA Corporate Laboratory (a)
1620 S Walnut St - Burlington, WA 99233 - 800.755.9235 • 360.757.1400
Bellingham, WA Microbiology (b)
805 Orchard Dr Ste 4 - Bellingham, WA 99225 - 360.715.1212

Portland, OR Microbiology/Chemistry (c)
9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.682.7892
Corvallis, OR Microbiology/Chemistry (d)
540 SW Third Street - Corvallis, OR 97333 - 541.753.4345
Bend, OR Microbiology (e)
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.633.8425

Appendix C - Sarbanand Sample Results November 17, 2015

Data Report

Client Name: Department of Ecology
Bellingham Field Office
1440 - 10th Street, Suite 102
Bellingham, WA 98225

Reference Number: **15-24892**
Project: Sumas River Source ID_ X

Report Date: 11/19/15

Date Received: 11/17/15

Approved by: ckk

Authorized by:

Danielle Love
Chief Microbiologist

Sample Description: 11.17.15 - 01 SR2 Sample Date: 11/17/15 10:13 am
Lab Number: 55424 Sample Comment: Collected By: Jessica Kirkpatrick

| CAS ID# | Parameter | Result | PQL | MDL | Units | DF | Method | Lab | Analyzed | Analyst | Batch | Comment |
|---------|----------------|---------|-----|-----|-----------|-----|-------------|-----|----------|---------|------------|---------|
| E-14551 | FECAL COLIFORM | 4100 MH | 2 | | cfu/100mL | 1.0 | SM9222 D/MF | b | 11/18/15 | JMM | mfc_151117 | |

Sample Description: 11.17.15 - 02 SR3 Sample Date: 11/17/15 10:37 am
Lab Number: 55425 Sample Comment: Collected By: Jessica Kirkpatrick

| CAS ID# | Parameter | Result | PQL | MDL | Units | DF | Method | Lab | Analyzed | Analyst | Batch | Comment |
|---------|----------------|--------|-----|-----|-----------|-----|-------------|-----|----------|---------|------------|---------|
| E-14551 | FECAL COLIFORM | 6000 | 2 | | cfu/100mL | 1.0 | SM9222 D/MF | b | 11/18/15 | JMM | mfc_151117 | |

Sample Description: 11.17.15 - 03 Sample Date: 11/17/15 10:48 am
Lab Number: 55426 Sample Comment: Collected By: Jessica Kirkpatrick

| CAS ID# | Parameter | Result | PQL | MDL | Units | DF | Method | Lab | Analyzed | Analyst | Batch | Comment |
|---------|----------------|--------|-----|-----|-----------|-----|-------------|-----|----------|---------|------------|---------|
| E-14551 | FECAL COLIFORM | 66 | 2 | | cfu/100mL | 1.0 | SM9222 D/MF | b | 11/18/15 | JMM | mfc_151117 | |

Sample Description: 11.17.15 - 04 Sample Date: 11/17/15 11:17 am
Lab Number: 55427 Sample Comment: Collected By: Jessica Kirkpatrick

| CAS ID# | Parameter | Result | PQL | MDL | Units | DF | Method | Lab | Analyzed | Analyst | Batch | Comment |
|---------|----------------|--------|-----|-----|-----------|-----|-------------|-----|----------|---------|------------|---------|
| E-14551 | FECAL COLIFORM | 42 | 2 | | cfu/100mL | 1.0 | SM9222 D/MF | b | 11/18/15 | JMM | mfc_151117 | |

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. = Dilution Factor



Burlington, WA Corporate Laboratory (a)
 1620 S Walnut St - Burlington, WA 98233 - 800.755.9295 • 360.757.1400
 Bellingham, WA Microbiology (b)
 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR Microbiology/Chemistry (c)
 9150 SW Pioneer Ct Ste W - Wilsonville, OR 97070 - 503.652.7802

Corvallis, OR Microbiology/Chemistry (d)
 543 SW Third Street - Corvallis, OR 97333 - 541.753.4345

Bend, OR Microbiology (e)
 20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.630.8425

Appendix D - Sarbanand Sample Results December 9, 2015

Data Report

Client Name: Department of Ecology
 Bellingham Field Office
 1440 - 10th Street, Suite 102
 Bellingham, WA 98225

Reference Number: **15-26514**
 Project: 12.09.15 Sumas SID

Report Date: 12/14/15

Date Received: 12/9/15

Approved by: ckk

Authorized by:



Danielle Love
 Chief Microbiologist

| | | |
|---------------------------|---|-----------------------------------|
| Sample Description: SR5 - | ← SR7 | Sample Date: 12/9/15 10:17 am |
| Lab Number: 59361 | Sample Comment: | Collected By: Jessica Kirkpatrick |

| CAS ID# | Parameter | Result | PQL | MDL | Units | DF | Method | Lab | Analyzed | Analyst | Batch | Comment |
|---------|----------------|--------|-----|-----|-----------|-----|-------------|-----|----------|---------|------------|---------|
| E-14551 | FECAL COLIFORM | 35000 | 10 | | cfu/100mL | 1.0 | SM9222 D/MF | b | 12/10/15 | JMM | mfc_151209 | |

| | | |
|---------------------------|---|-----------------------------------|
| Sample Description: SR6 - | ← SR6 | Sample Date: 12/9/15 10:23 am |
| Lab Number: 59362 | Sample Comment: | Collected By: Jessica Kirkpatrick |

| CAS ID# | Parameter | Result | PQL | MDL | Units | DF | Method | Lab | Analyzed | Analyst | Batch | Comment |
|---------|----------------|---------|-----|-----|-----------|-----|-------------|-----|----------|---------|------------|---------|
| E-14551 | FECAL COLIFORM | 1595 A8 | 10 | | cfu/100mL | 1.0 | SM9222 D/MF | b | 12/10/15 | JMM | mfc_151209 | |

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. - Dilution Factor