

Stormwater Pollution Prevention Plan

East Bernstadt Cooperage
Robinson Stave Company
1812 KY 3434
East Bernstadt, Kentucky 40729
(606)-843-2740

SWPPP Contact(s):

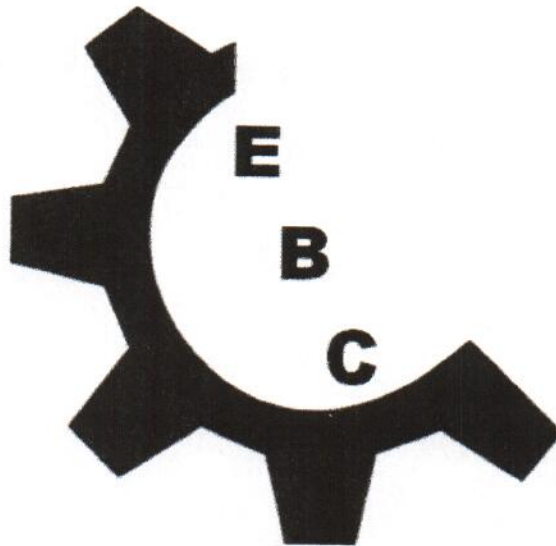
East Bernstadt Cooperage
Robinson Stave Company
Terry Nantz
1812 KY 3434
East Bernstadt, Kentucky 40729
(606)-843-2740
drn8374windstream.net

SWPPP Preparation Date:

PREPARED BY

CARY M. KING

MARCH 2016



DEPARTMENT OF FACILITY ENGINEERING

Table of Contents

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION	2
1.1 Facility Information.....	2
1.2 Contact Information/Responsible Parties.....	3
1.3 Stormwater Pollution Prevention Team	3
1.4 Activities at the Facility	4
1.5 General Location Map	4
 SECTION 2: POTENTIAL POLLUTANT SOURCES	 5
2.1 Industrial Activity and Associated Pollutants.....	5
2.2 Spills and Leaks.....	5
2.3 Non-Stormwater Discharges Documentation.....	5
2.4 Salt Storage.....	6
2.5 Sampling Data Summary.....	6
 SECTION 3: STORMWATER CONTROL MEASURES	 7
3.1 Minimize Exposure	7
3.2 Good Housekeeping	7
3.3 Maintenance	7
3.4 Spill Prevention and Response.....	7
3.5 Erosion and Sediment Controls	7
3.6 Management of Runoff	8
3.7 Salt Storage Piles or Piles Containing Salt.....	8
3.8 MSGP Sector-Specific Non-Numeric Effluent Limits.....	8
3.9 Employee Training.....	8
3.10 Non-Stormwater Discharges.....	8
3.11 Waste, Garbage and Floatable Debris.....	8
3.12 Dust Generation and Vehicle Tracking of Industrial Materials	8
 SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING	 10
 SECTION 5: INSPECTIONS.....	 11
 SECTION 6: SWPPP CERTIFICATION	 12
 SECTION 7: SWPPP MODIFICATIONS	 13
 SECTION 8: REGULATORY	 14
8.1 Material Safety Data Sheets (Sediment Pond Water Treatment)	
8.2 Discharge Monitoring Reports	
8.3 Notice of Violations	
8.4 General Permit (KDPES / Division of Water)	

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

1.1 Facility Information

Facility Information

Name of Facility: EAST BERNSTADT COOPERAGE / ROBINSON STAVE COMPANY

Street: 1812 KY 3434

City: EAST BERNSTADT

State: KY

ZIP Code: 40729

County or Similar Subdivision: LAUREL

Permit Tracking Number: KYR003792

Latitude/Longitude

Latitude:

1. 37 ° 11' 21" N (degrees, minutes, seconds)

2. 37.189279° N (decimal)

Longitude:

1. 84° 06' 29" W (degrees, minutes, seconds)

2. -84.108177° W (decimal)

Method for determining latitude/longitude :

☐ USGS topographic map

☐ EPA Web site

☒ GPS

☐ Other (please specify):

Is the facility located in Indian Country? ☐ Yes ☒ No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." **NOT APPLICABLE**

Is this facility considered a Federal Facility? ☐ Yes ☒ No

Estimated area of industrial activity at site exposed to storm water: 15 (acres)

Discharge Information

Does this facility discharge stormwater into an MS4? ☐ Yes ☒ No

If yes, name of MS4 operator: Not Applicable to this Site

Name(s) of water(s) that receive stormwater from your facility Highway Ditch Line / Little Raccoon Creek

Are any of your discharges directly into any segment of an "impaired" water? ☐ Yes ☒ No

If Yes, identify name of the impaired water: Not Applicable to this Site

Identify the pollutant(s) causing the impairment: Not Applicable to this Site

For pollutants identified, which do you have reason to believe will be present in your discharge? NA

For pollutants identified, which have a completed TMDL? Not Applicable to this Site

Do you discharge into a receiving water designated as a Tier 2 (or Tier 2.5) water? ☐ Yes ☒ No

Are any of your stormwater discharges subject to effluent guidelines? ☐ Yes ☒ No

If Yes, which guidelines apply? **Not Applicable to this Site**

Identify your applicable sector and subsector: **Not Applicable to this Site**

1.2 Contact Information/Responsible Parties

Facility Operator (s):

Name: EAST BERNSTADT COOPERAGE / ROBINSON STAVE COMPANY

Address: 1812 KY 3434

City, State, Zip Code: EAST BERNSTADT, KY

Telephone Number: (606)-843-6730

Email address: drn8374@windstream.net

Fax number: (606)-843-2855

Facility Owner (s):

Name: EAST BERNSTADT COOPERAGE / ROBINSON STAVE COMPANY

Address: 1812 KY 3434

City, State, Zip Code: EAST BERNSTADT, KY

Telephone Number: (606)-843-6730

Email address: drn8374@windstream.net

Fax number: (606)-843-2855

SWPPP Contact:

Name: TERRY NANTZ

Telephone number: (606)-8436730

Email address: drn8374@windstream.net

Fax number: (606)-843-2855

1.3 Stormwater Pollution Prevention Team

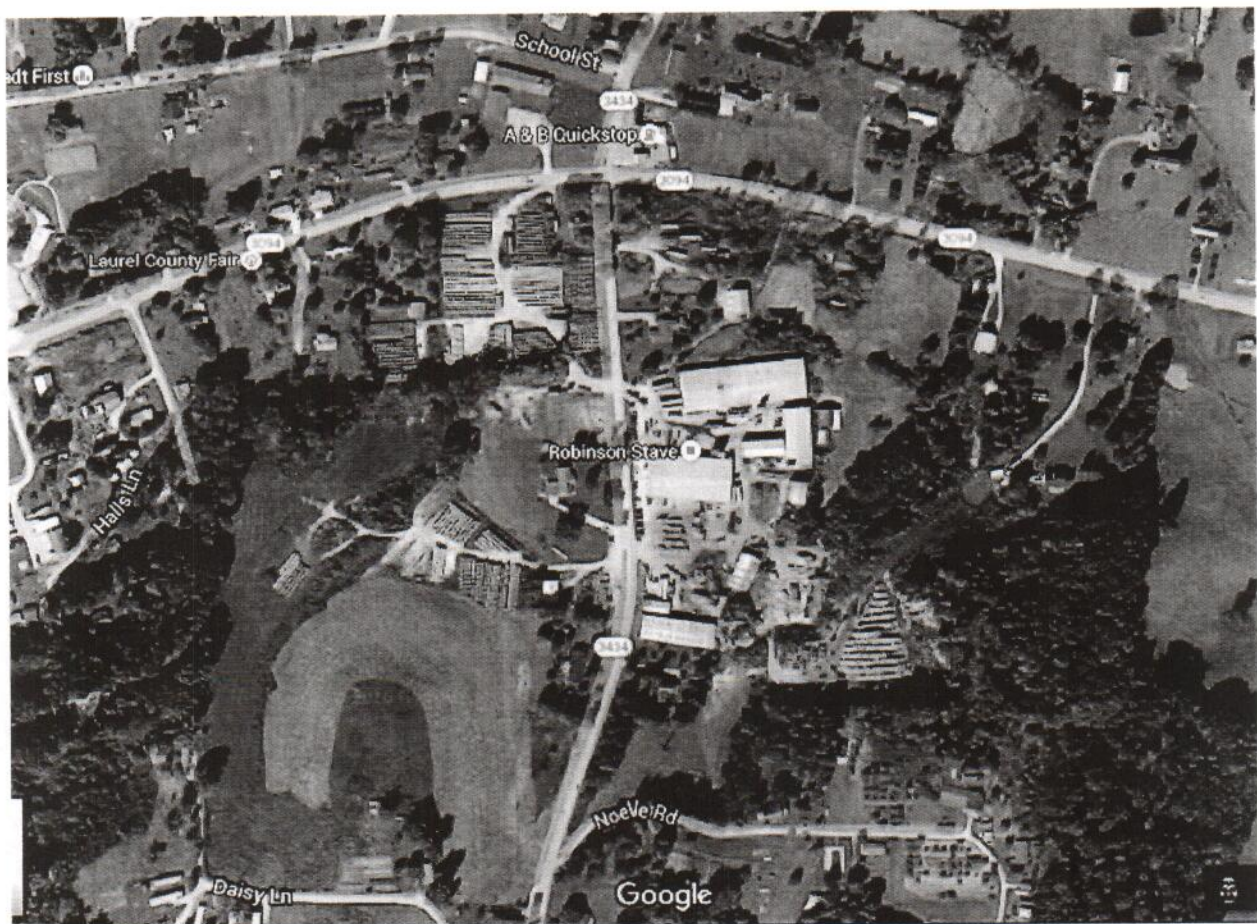
Staff Names	Individual Responsibilities
TERRY NANTZ	OPERATIONS MANAGER
RONNIE ROBINSON	OPERATIONS MANAGER
C.B. ROBINSON	OPERATIONS MANAGER

1.4 Activities at the Facility

The Robinson Stave Company receives, processes, saws, air dries, and kiln dries white oak lumber in the form of staves via a vertically integrated manufacturing facility and mill.

East Bernstadt Cooperage manufactures charred white oak wood barrels for the use in maturing American Bourbon Whiskey as well as other beverage alcohol products from staves produced at the Robinson Stave Company.

1.5 General Location Map



SECTION 2: POTENTIAL POLLUTANT SOURCES

2.1 Industrial Activity and Associated Pollutants

Industrial Activity	Associated Pollutants
Truck Receiving	Fuels, Lubricants, Antifreeze, Hydraulic Oil, Battery Acid
Truck Repair	Fuels, Lubricants, Antifreeze, Hydraulic Oil, Battery Acid
Loading & Unloading	Fuels, Lubricants, Antifreeze, Hydraulic Oil, Battery Acid
Steam Boiler Water Treatment	Softening Salts, Anti Scale

2.2 Spills and Leaks

Areas of Site Where Potential Spills/Leaks Could Occur

Location	Outfalls
Diesel Shop	Outfall 001
Steam Plant	Outfall 001
Stave Mill (Building(s) 100 & 600)	Outfall 001 & 002
Cooperage (Wine Barrel & Whiskey Barrel) (Export Chip)	Outfall 001 & 002

2.3 Non-Stormwater Discharges Documentation

- Date of evaluation: 03/27/2016
- Description of the evaluation criteria used: Visual Inspection
- List of the outfalls or onsite drainage points that were directly observed during the evaluation:
Outfall(s) 001 & 002
- Different types of non-stormwater discharge(s) and source locations: There were no non-stormwater discharges observed during the evaluation other than steam condensation.
- Action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), if any were identified. For example, a floor drain was sealed, a sink drain was re-routed to sanitary, or an NPDES permit application was submitted for an unauthorized cooling water discharge:
There are no actions required nor recommended at this time.

2.4 *Salt Storage*

Not Applicable to this Site

2.5 *Sampling Data Summary*

Reference sampling data filed within the regulatory section of this manual.

SECTION 3: STORMWATER CONTROL MEASURES

3.1 *Minimize Exposure*

Stormwater runoff and its subsequent exposure to pollutants will be minimized and or mitigated thru the comprehensive use of this SWPPP and BMPs. Counter measures that are being implemented shall include but not be limited to the following. Arrest the velocity of stormwater flow within ditches an outfalls. Apply check dams, straw bales and wattles as required to reduce sediment transmission. Maintain silt fencing and stabilize all embankments to facilitate sublimation and evaporation prior to collection and out flow.

3.2 *Good Housekeeping*

Storm water prevention plan and best management practices control countermeasures will only operate at capacity when the provision are clean and unobstructed. The cleaning of SWPPP BMP's shall initiated immediately upon discovery before or after routine field inspections.

3.3 *Maintenance*

The maintenance of all structural BMP's within the SWPPP program shall initiated immediately upon discovery before or after routine field inspections. Repairs and amendments will meet the specifications as set forth by the DOW.

3.4 *Spill Prevention and Response*

Spill prevention shall be accomplished by following a plan to manage the storage of any harmful chemicals and synthetics. Counter measures will be in place and initiated as required to eliminate the risk of exposing the outfall to hazardous materials. Booms, berms, dikes and absorption socks will be stowed and accessible on site near all susceptible inlet structures.

3.5 *Erosion and Sediment Controls*

Site erosion and sediments will be managed and controlled thru a series of BMP's as sanctioned within the SWPPP. These control measures will include silt fencing, rock check dams, sand bags, inlet structure filters, wattles, diversion ditches straw bales and static stabilization of areas absent of growth. These structural components in tandem with continuous maintenance and quality improvements will greatly reduce and or eliminate erosion and the transfer of site sediment material.

3.6 Management of Runoff

Stormwater runoff of this property is managed thru a series of methods which include but are not limited to sheet drainage, diversion ditches, culverts, sewer piping and storage within (2) retention / sediment ponds. Water quality up stream of the outfall will be managed using various BMP's all aimed at mitigating the runoff of sediment and organic particulates from the industrial process. Turbidity of the (2) sediment / retention ponds shall be treated with a reagent solution of polymer coagulant and flocculant calculated to bind and precipitate any and all suspended solids providing a high quality and clear effluent.

3.7 Salt Storage Piles or Piles Containing Salt

Presently Not Applicable to this Site

3.8 MSGP Sector-Specific Non-Numeric Effluent Limits

Presently Not Applicable to this Site

3.9 Employee Training

Training shall be conducted twice yearly and as often as required to certify additional inspectors and maintenance personnel. Training will also be provided for when regulations are amended or additional SWPPP provisions are added to the site program.

3.10 Non-Stormwater Discharges

The only known Non-Stormwater discharge of this site is run-off created by municipal water used to control dust and dirt within the property and the surrounding roadways.

3.11 Waste, Garbage and Floatable Debris

All inorganic solid waste is disposed of in trash receptacles located on the property. All organic solid biomass produced during industrial process is collected and disposed of offsite. Regular maintenance and policing of the grounds is implemented to eliminate offsite migration of garbage and debris.

3.12 Dust Generation and Vehicle Tracking of Industrial Materials

Dirt and dust that is created by onsite traffic will be reduced by regular implementation of spray water during dry conditions. All public roadways will be swept regularly to address solid materials tracked offsite and stone aggregate

entrances will be in place to assist in minimizing debris from being transferred to hard pavement by vehicle & equipment traffic.

SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING

1. Sample Location(s).

Effluent sampling for the DMR shall be collected at the outfall of sediment / retention pond(s) 001 & 002.

2. Pollutant Parameters to be Sampled.

The DMR sampling will test for acids, astringents, phenolics & lignins as leachate within the effluent that exceed allowable limits.

3. Monitoring Schedules

Discharge monitoring reports shall be conducted biannually as long as a general permit is filed with the KDPEs.

4. Procedures.

be Discharge sampling shall be conducted by a representative of the company considered to a "responsible party". Procedures to follow while collecting sample substrate shall follow the minimum standards as set forth by the Kentucky Department of Compliance Assistance and the Environmental Research Training Laboratory as accepted by the KDPEs and the DOW.

SECTION 6: SWPPP CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature: _____ Date: _____