

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
STORMWATER DISCHARGE MONITORING REPORT
(DMR)**

PERMIT NUMBER: ARR00C197

PERMITTEE NAME: Georgia-Pacific Wood Products, LLC

FACILITY NAME: Fordyce OSB Facility

FACILITY PHYSICAL ADDRESS: 1 Georgia Pacific Rd
Fordyce, AR 71742

INDUSTRIAL SECTOR: A4

OUTFALL NO: 006

REPORTING YEAR: 2013

PARAMETER	Benchmark Value	QUALITY OR CONCENTRATION		UNITS
		JANUARY-JUNE	JULY-DECEMBER	
Chemical Oxygen Demand (COD)	120	148	393	mg/L
Total Suspended Solids (TSS)	100	--	--	mg/L
Oil and Grease (O&G)	15	--	--	mg/L
pH	6.0-9.0	--	--	S.U.

Sampling Period:

JANUARY-JUNE JULY-DECEMBER

Date of Storm Event Sampled:

04/18/2013 10/15/2013

Duration of Event:

5 9.33 hours

Estimate of Rainfall Event:

1.20 3.63 inches

Time Since Last Measurable Event:

6 >3 days

Estimate of Total Discharged Volume:

395,686 1,196,952 gallons

Comments: The Department has given the Fordyce OSB Facility a sampling waiver for total suspended solids, oil and grease, and pH at Outfall 006.

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

Chris Morton 1/29/2014

Signature & Date

Chris Morton, Plant Manager

Printed Name & Title of Official

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PERMITTEE NAME: Georgia-Pacific Wood Products, LLC

FACILITY NAME: Fordyce OSB Facility

FACILITY PHYSICAL ADDRESS: 1 Georgia Pacific Rd
Fordyce, AR 71742

INDUSTRIAL SECTOR: A4

OUTFALL NO: 004

REPORTING YEAR: 2013

PARAMETER	Benchmark Value	QUALITY OR CONCENTRATION		UNITS
		JANUARY-JUNE	JULY-DECEMBER	
Chemical Oxygen Demand (COD)	120	39.9	119	mg/L
Total Suspended Solids (TSS)	100	112	61	mg/L
Oil and Grease (O&G)	15	--	--	mg/L
pH	6.0-9.0	--	--	S.U.

Sampling Period:

JANUARY-JUNE JULY-DECEMBER

Date of Storm Event Sampled:

	04/18/2013	10/15/2013	
Duration of Event:	5	9.33	hours
Estimate of Rainfall Event:	1.20	3.63	inches
Time Since Last Measurable Event:	6	>3	days
Estimate of Total Discharged Volume:	45,453	137,496	gallons

Comments: The Department has given the Fordyce OSB Facility a sampling waiver for oil and grease and pH at Outfall 004.

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

Chris Morton 1/29/2014
Signature & Date

Chris Morton, Plant Manager
Printed Name & Title of Official

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
STORMWATER DISCHARGE MONITORING REPORT
(DMR)**

PERMIT NUMBER: ARR00C197 PERMITTEE NAME: Georgia-Pacific Wood Products, LLC

FACILITY NAME: Fordyce OSB Facility FACILITY PHYSICAL ADDRESS: 1 Georgia Pacific Rd
Fordyce, AR 71742

INDUSTRIAL SECTOR: A4 OUTFALL NO: 003 REPORTING YEAR: 2013

PARAMETER	Benchmark Value	QUALITY OR CONCENTRATION		UNITS
		JANUARY-JUNE	JULY-DECEMBER	
Chemical Oxygen Demand (COD)	120	62.6	302	mg/L
Total Suspended Solids (TSS)	100	164	207	mg/L
Oil and Grease (O&G)	15	5.9	2.4	mg/L
pH	6.0-9.0	--	--	S.U.

Sampling Period:	JANUARY-JUNE	JULY-DECEMBER	
Date of Storm Event Sampled:	04/18/2013	10/15/2013	
Duration of Event:	5	9.33	hours
Estimate of Rainfall Event:	1.20	3.63	inches
Time Since Last Measurable Event:	6	>3	days
Estimate of Total Discharged Volume:	305,399	923,833	gallons

Comments: The Department has given the Fordyce OSB Facility a sampling waiver for pH at Outfall 003.

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

Chris Morton 1/29/2014
Signature & Date

Chris Morton, Plant Manager
Printed Name & Title of Official

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
STORMWATER DISCHARGE MONITORING REPORT
(DMR)**

PERMIT NUMBER: ARR00C197

PERMITTEE NAME:

Georgia-Pacific Wood Products, LLC

FACILITY NAME: Fordyce OSB Facility

FACILITY PHYSICAL ADDRESS:

1 Georgia Pacific Rd
Fordyce, AR 71742

INDUSTRIAL SECTOR: A4

OUTFALL NO: 002

REPORTING YEAR: 2013

PARAMETER	Benchmark Value	QUALITY OR CONCENTRATION		UNITS
		JANUARY-JUNE	JULY-DECEMBER	
Chemical Oxygen Demand (COD)	120	68.9	103	mg/L
Total Suspended Solids (TSS)	100	502	546	mg/L
Oil and Grease (O&G)	15	--	--	mg/L
pH	6.0-9.0	--	--	S.U.

Sampling Period:

JANUARY-JUNE JULY-DECEMBER

Date of Storm Event Sampled:

04/18/2013 10/15/2013

Duration of Event:

5 9.33 hours

Estimate of Rainfall Event:

1.20 3.63 inches

Time Since Last Measurable Event:

6 >3 days

Estimate of Total Discharged Volume:

256,297 775,298 gallons

Comments: The Department has given the Fordyce OSB Facility a sampling waiver for oil and grease and pH at Outfall 002.

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

Chris Morton 1/29/2014
Signature & Date

Chris Morton, Plant Manager
Printed Name & Title of Official

**Arkansas Department of Environmental
Quality (ADEQ)
5301 Northshore Drive
North Little Rock, AR 72118-5317**

***Industrial Stormwater General Permit
(ARR000000) Annual Report Form***

Permit No. ARR00C197	
Permittee Name: Georgia-Pacific Wood Products, LLC.	
Facility Name: Fordyce OSB Facility	
Facility Physical Address (<u>not</u> mailing address): 1 Georgia Pacific Rd	
Facility City: Fordyce	Zip Code: 71742

Facility Contact Name: Dewayne Henry	Title: Environmental Coordinator
Facility Contact Phone Number (870) 352-7252	Facility Contact Email: edhenry@gapac.com
Reporting Period: January 1 st to December 31 st 2013 (Year)	

This Form may be used to submit your annual report to ADEQ. All facilities must submit a signed annual report each year on or before **January 31st**. DMRs for each monitored outfall must be submitted with the annual report. Retain a copy of your submitted report onsite.

1. Benchmarks Exceeded

Did the facility exceed the benchmark for any parameter during the previous calendar year (Jan 1st – Dec 31st)? **Note:** If a parameter was sampled at a discharge point more than once then all the samples needs to be reported and evaluated individually:

Yes - **Complete Sections 2, 3, 4, 5 and 6.**

No - **Complete Section 2, 3, 5 and 6.**

Include any additional comments here:

TSS was exceeded at Outfalls 002, 003, and 004 in the 1st sampling period of 2013. COD was exceeded at Outfall 006 in the 1st sampling period of 2013.

TSS was exceeded at Outfalls 002 and 003 in the 2nd sampling period of 2013. COD was exceeded at Outfalls 003 and 006 in the 2nd sampling period of 2013.

2. Evaluations and Inspections

Facilities are required to complete a minimum of 4 visual site inspections and 1 comprehensive site compliance evaluation per year. Please include the dates of these inspections below. If more than the minimum number of inspections and evaluations were completed, please just include dates for 4 visual site inspections and 1 comprehensive site compliance evaluation.

Visual Site Inspection #1 Date	02/28/2013
Visual Site Inspection #2 Date	04/18/2013
Visual Site Inspection #3 Date	09/30/2013
Visual Site Inspection #4 Date	12/31/2013
Comprehensive Site Compliance Evaluation Date	02/28/2013

Stormwater Problems Identified At the Facility

Instructions: Based on the best available information, briefly describe any potential or actual stormwater pollution problem(s) you identified during the previous calendar year (Jan 1st – Dec 31st) comprehensive site evaluation and quarterly visual site inspections.

- Sources of available information may also include (but may not be limited to): SWPPP reviews, audits made by consultants or providers of technical assistance, inspection reports or other notification made by federal/state/local authorities, visual observations, and/or your facility's monthly site inspections (self-inspections).
- For each problem identified, provide the date you discovered the problem (estimate if necessary).
- Do not include problems discovered through stormwater sampling. This information is covered in Section 4.
- **If no problems were identified, put N/A for Not Applicable.**

Date Problem Discovered: N/A Describe the Problem: N/A

Date Problem Discovered: N/A Describe the Problem: N/A

Date Problem Discovered: N/A Describe the Problem: N/A

Date Problem Discovered: N/A Describe the Problem: N/A

3. Corrective Actions Planned or Taken

Instructions: Complete this section for each pollutant parameter (e.g., turbidity, copper) that exceeded a benchmark during the previous calendar year (Jan – Dec). If the parameter benchmark value is exceeded, the facility must investigate the cause of each parameter exceedance and determine a corrective action plan. To do this, indicate below in which sampling period an exceedance occurred. If more than one sample was taken at a sample location, indicate all sample results that exceeded the benchmark. Note: If the facility exceeded the benchmark for more than one parameter (e.g., turbidity & zinc), make additional copies of Section 4 and complete one for each parameter.

Pollutant Parameter: TSS benchmark was exceeded during the following sampling period (check all that apply):

1st Sampling period (January-June)

2nd Sampling Period (July-December)

For the each pollutant parameter exceeding the benchmark, summarize below any corrective actions plan **completed** during the previous calendar year and include the dates you completed the corrective actions.

A Corrective Action Plan (CAP) was initiated upon receiving the analytical results from the first monitoring period (January – June) taken on 04/18/2013. The results showed TSS levels at Storm Water Outfalls 002, 003, and 004 above the benchmark value. The CAP was developed following a review of the SWPPP, a review of field notes and photos collected during the sampling event, and a review of additional BMP's that Fordyce OSB could utilize at these Outfalls.

Log storage, woody debris, and gravel road surfaces are located in the Outfall 002, 003, and 004 watersheds. These sources have been identified as the potential causes to the TSS exceedances. Corrective actions implemented from 2012 reduced the TSS levels at Outfalls 003 and 004. The housekeeping schedules were evaluated for both Outfalls 003 and 004 to further reduce TSS in the watersheds.

For the Outfall 002 watershed, an area with bare soil was identified around a screen structure in the southern portion of the watershed. This area was seeded and monitored for establishment of vegetation. Vegetation was established throughout the spring and early summer of 2013. The housekeeping schedules near the wood yard were evaluated for Outfall 002 to further reduce TSS in the watershed.

It is believed that more frequent removal of woody debris, bark, and soil will decrease the amount of these materials in storm water runoff, decreasing TSS levels in the outfalls.

For the each pollutant parameter exceeding the benchmark summarize any corrective actions plan **initiated** during the previous calendar year, but have **not yet been completed**. Identify the date you expect to complete corrective actions.

Monitoring and implementation of the house keeping practices is a continuous process.

4. Corrective Actions Planned or Taken cont'd

Instructions: Complete this section for each pollutant parameter (e.g., turbidity, copper) that exceeded a benchmark during the previous calendar year (Jan – Dec). If the parameter benchmark value is exceeded, the facility must investigate the cause of each parameter exceedance and determine a corrective action plan. To do this, indicate below in which sampling period an exceedance occurred. If more than one sample was taken at a sample location, indicate all sample results that exceeded the benchmark. Note: If the facility exceeded the benchmark for more than one parameter (e.g., turbidity & zinc), make additional copies of Section 4 and complete one for each parameter.

Pollutant Parameter: COD benchmark was exceeded during the following sampling period (check all that apply):

1st Sampling period (January-June)

2nd Sampling Period (July-December)

For the each pollutant parameter exceeding the benchmark, summarize below any corrective actions plan **completed** during the previous calendar year and include the dates you completed the corrective actions.

A Corrective Action Plan (CAP) was initiated upon receiving the analytical results from the first monitoring period (January-June) taken on 04/18/2013. The results showed COD levels at Storm Water Outfall 006 above the benchmark value. The CAP was developed following a review of the SWPPP, a review of field notes and photos collected during the sampling event, and a review of additional BMP's that Fordyce OSB could utilize at these Outfalls.

Log storage, and woody debris are located in the Outfall 006 watershed. These sources were identified as the potential cause of the COD exceedance via dissolution of soluble organic matter as the storm water comes into contact (filters through) the woody debris. The housekeeping schedule was evaluated to reduce exposure of woody debris to storm water runoff, thereby decreasing COD levels.

For the each pollutant parameter exceeding the benchmark summarize any corrective actions plan **initiated** during the previous calendar year, but have **not yet been completed**. Identify the date you expect to complete corrective actions.

Monitoring and implementation of the housekeeping practices is a continuous process.

4. Corrective Actions Planned or Taken cont'd

Instructions: Complete this section for each pollutant parameter (e.g., turbidity, copper) that exceeded a benchmark during the previous calendar year (Jan – Dec). If the parameter benchmark value is exceeded, the facility must investigate the cause of each parameter exceedance and determine a corrective action plan. To do this, indicate below in which sampling period an exceedance occurred. If more than one sample was taken at a sample location, indicate all sample results that exceeded the benchmark. Note: If the facility exceeded the benchmark for more than one parameter (e.g., turbidity & zinc), make additional copies of Section 4 and complete one for each parameter.

Pollutant Parameter: TSS benchmark was exceeded during the following sampling period (check all that apply):

1st Sampling period (January-June)

2nd Sampling Period (July-December)

For the each pollutant parameter exceeding the benchmark summarize below any corrective actions plan **completed** during the previous calendar year and include the dates you completed the corrective actions.

A Corrective Action Plan (CAP) was initiated upon receiving the analytical results from the second monitoring period (July-December) taken on 10/15/2013. The results showed TSS levels at Storm Water Outfalls 002 and 003 were above the benchmark value. The CAP was developed following a review of the SWPPP, a review of field notes and photos collected during the sampling event, and a review of additional BMP's that Fordyce OSB could utilize at these Outfalls.

The housekeeping schedule was evaluated at both outfalls to include frequent removal of woody debris in an effort to reduce organic matter that is making its way into storm water. Continued monitoring and implementation of housekeeping practices should reduce TSS in Outfall 002 and 003.

For the each pollutant parameter exceeding the benchmark summarize any corrective actions plan **initiated** during the previous calendar year, but have **not yet been completed**. Identify the date you expect to complete corrective actions.

An additional source for TSS in the Outfall 002 watershed was identified during the sampling event. The ditch bank was eroding on both sides of a debris screen installed in the upper portion of the Outfall 002 watershed. The banks around the screen structure should be stabilized with a geotextile material rip rap. Rip rap will be placed at the screen structure in the Outfall 002 watershed during the 1st half of 2014 to stabilize the banks. Monitoring and implementation of the house keeping practices is a continuous process.

4. Corrective Actions Planned or Taken cont'd

Instructions: Complete this section for each pollutant parameter (e.g., turbidity, copper) that exceeded a benchmark during the previous calendar year (Jan – Dec). If the parameter benchmark value is exceeded, the facility must investigate the cause of each parameter exceedance and determine a corrective action plan. To do this, indicate below in which sampling period an exceedance occurred. If more than one sample was taken at a sample location, indicate all sample results that exceeded the benchmark. Note: If the facility exceeded the benchmark for more than one parameter (e.g., turbidity & zinc), make additional copies of Section 4 and complete one for each parameter.

Pollutant Parameter: COD benchmark was exceeded during the following sampling period (check all that apply):

1st Sampling period (January-June)

2nd Sampling Period (July-December)

For the each pollutant parameter exceeding the benchmark summarize below any corrective actions plan **completed** during the previous calendar year and include the dates you completed the corrective actions.

A Corrective Action Plan (CAP) was initiated upon receiving the analytical results from the second monitoring period (July-December) taken on 10/15/2013. The results showed COD levels at Storm Water Outfalls 003 and 006 above the benchmark value. The CAP was developed following a review of the SWPPP, a review of field notes and photos collected during the sampling event, and a review of additional BMP's that Fordyce OSB could utilize at these Outfalls.

The primary source of COD in Outfall 006 is likely dissolved organic matter associated with storm water leaching through fine woody debris (primarily bark). Because this soluble organic matter is dissolved, it is not filtered by the bark separator or the dense vegetation in the sediment basin. COD concentrations will likely continue to hover around the Parameter Benchmark Value with periodic concentrations above the Parameter Benchmark Value.

Continued evaluation and implementation of the housekeeping practices and Schedule may help to lower the COD concentrations at both outfalls.

For the each pollutant parameter exceeding the benchmark summarize any corrective actions plan **initiated** during the previous calendar year, but have **not yet been completed**. Identify the date you expect to complete corrective actions.

Evaluation and implementation of housekeeping practices throughout the plant to minimize exposure of rainfall to bark and other woody debris is a continuous process.

5. Are the DMRs included with this report? Yes No

6. Certification by Permittee

"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 gather and evaluate 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."

Chris Morton

Plant Manager

1/29/2014

Printed Name

Title

Date

Signature* Chris Morton

*** Federal regulations require this report to be signed by the following person, or a duly authorized representative:**

- A. In the case of corporations, by a principal executive officer of at least the level of vice president.
- B. In the case of a partnership, by a general partner of a partnership.
- C. In the case of sole proprietorship, by the proprietor.
- D. In the case of a municipality, state, federal, or other public facility: by either a principal executive officer or ranking elected official.

A person is a duly authorized representative only if:

- 1. The authorization is made in writing by a person described above and submitted to ADEQ.
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters.

Please return the signed document to the address below. Make sure you retain a copy for your records.

Arkansas Department of Environmental Quality
Water Division, General Permits Section
5301 Northshore Dr.
North Little Rock, AR 72118
Water.Permit.Application@adeq.state.ar.us



Georgia-Pacific

Structural Panels

Hosford OSB
P.O. Box 322
Hosford, FL 32334

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

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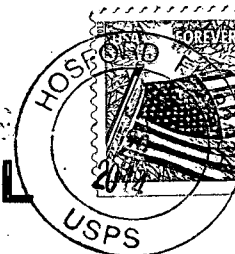
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Arkansas Department of Env. Protection
Quality Water Division
General Permits Section
5301 Northshore Drive North
Little Rock, AR 72118

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