

DMR Copy of Record

Permit #:		CO0000132		Permittee:		Oxbow Mining LLC		Facility:		SANBORN CRK & ELK CRK MINES							
Major:		No		Permittee Address:		PO Box 535 Someset, CO 81434-0535		Facility Location:		3737 HIGHWAY 133 SOMERSET, CO 81434							
Permitted Feature:		009 External Outfall		Discharge:		009-Q Quarterly Monitoring for 001A											
Report Dates & Status																	
Monitoring Period:		From 07/01/21 to 09/30/21		DMR Due Date:		10/28/21		Status:		Not DMR Validated							
Considerations for Form Completion																	
Quarterly monitoring - see Appendix B, #34, pg 17.																	
Principal Executive Officer																	
First Name:		MIKE		Title:		PRESIDENT		Telephone:		970-929-5122							
Last Name:		LUDLOW															
No Data Indicator (NODI)																	
Form NODI: -																	
Code	Parameter Name	Monitoring Location	Season	Param. NODI	Quantity or Loading				Quality or Concentration				# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2				Value 2	Qualifier 3
00940	Chloride [as Cl]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				19 - mg/L	01/90 - Quarterly	GR - GRAB	
										C - No Discharge							
00978	Arsenic, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				28 - ug/L	01/90 - Quarterly	GR - GRAB	
										C - No Discharge							
01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				28 - ug/L	01/90 - Quarterly	GR - GRAB	
										C - No Discharge							
01074	Nickel, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				28 - ug/L	01/90 - Quarterly	GR - GRAB	
										C - No Discharge							
01114	Lead, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI									Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - GRAB
										C - No Discharge							
01118	Chromium, total recoverable	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA ARI				Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - GRAB
										C - No Discharge				C - No Discharge			
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - GRAB
										C - No Discharge				C - No Discharge			
01306	Copper, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - GRAB
										C - No Discharge				C - No Discharge			
01314	Chromium, trivalent, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				28 - ug/L	01/90 - Quarterly	GR - GRAB	
										C - No Discharge							
01318	Lead, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - GRAB
										C - No Discharge				C - No Discharge			
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - GRAB
										C - No Discharge				C - No Discharge			
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - GRAB
										C - No Discharge				C - No Discharge			
01323	Selenium, potentially dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					Req Mon 30DA AVG				Req Mon DAILY MX	28 - ug/L	01/90 - Quarterly	GR - GRAB
										C - No Discharge				C - No Discharge			

04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	—	Sample Permit Req. Value: NOD	Req Mon DAILY MX	25 - ug/L	01/90 - Quarterly	GR - GRAB
						C - No Discharge			
50286	Mercury, total [low level]	1 - Effluent Gross	0	—	Sample Permit Req. Value: NOD	Req Mon 30DA AVG	25 - ug/L	01/90 - Quarterly	GR - GRAB
						C - No Discharge			
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	—	Sample Permit Req. Value: NOD	Req Mon 30DA AVG	19 - mg/L	01/90 - Quarterly	GR - GRAB
						C - No Discharge			
81020	Sulfate	1 - Effluent Gross	0	—	Sample Permit Req. Value: NOD	Req Mon 30DA AVG	19 - mg/L	01/90 - Quarterly	GR - GRAB
						C - No Discharge			
82057	Boron, total	1 - Effluent Gross	0	—	Sample Permit Req. Value: NOD	Req Mon 30DA AVG	19 - mg/L	01/90 - Quarterly	GR - GRAB
						C - No Discharge			

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

Oxbow Mining LLC

User: GHGSMITHOXBOW
 Name: Douglas Smith
 E-Mail: doug.smith@oxbow.com
 Date/Time: 2021-10-01 10:50 (Time Zone: -06:00)

Report Last Signed By

User: GHGSMITHOXBOW
 Name: Douglas Smith
 E-Mail: doug.smith@oxbow.com
 Date/Time: 2021-10-01 10:51 (Time Zone: -06:00)

DMR Copy of Record

Permit		Permittee:		Facility:											
Permit #:	CO0000132	Oxbow Mining LLC	SANBORN CRK & ELK CRK MINES												
Major:	No	Permittee Address:	Facility Location:												
		PO Box 535	3737 HIGHWAY 133												
		Somerset, CO 81434-0535	SOMERSET, CO 81434												
Permitted Feature:		Discharge:													
009 External Outfall		009-A Surface Runoff to N Fork of Gunnison River													
Report Dates & Status															
Monitoring Period:		DMR Due Date:		Status:											
From 09/01/21 to 09/30/21		10/28/21		Not DMR Validated											
Considerations for Form Completion															
TSS & Total Recoverable Iron Limits will be waived, and settleable solids limit applied for <=10YR, 24hr precip event. 30 day avg is highest monthly avg during period reported.															
Principal Executive Officer															
First Name:		Title:		Telephone:											
MIKE		PRESIDENT		970-929-5122											
Last Name:															
LUDLOW															
No Data Indicator (NODI)															
Form NODI: -															
Code	Parameter Name	Monitoring Location	Session #	Parad. NODI	Sample Permit Req. Value NODI	Quantity or Loading		Units	Quantity or Concentration		Units	# of Ex.	Frequency of Analysis	Sample Type	
						Qualifier 1	Value 1		Qualifier 2	Value 2					
00400	pH	1 - Effluent Gross	0	-		>=	6.5 MINIMUM		<=	9.0 MAXIMUM	12 - SU	01/30 - Monthly	GR - GRAB		
							C - No Discharge			C - No Discharge					
00530	Solids, total suspended	1 - Effluent Gross	0	-					<=	35.0 30DA AVG	<=	70.0 MX 7D AV	19 - mg/L	01/30 - Monthly	GR - GRAB
										C - No Discharge			C - No Discharge		
00980	Iron, total recoverable	1 - Effluent Gross	0	-					<=	3000.0 30DA AVG	<=	6000.0 DAILY MX	28 - ug/L	01/30 - Monthly	GR - GRAB
										C - No Discharge			C - No Discharge		
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-		<=	0.039 30DA AVG	Req Mon DAILY MX	03 - MGD				01/30 - Monthly	IN - INSTANT	
							C - No Discharge		C - No Discharge						
Submission Note															
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.															
Edit Check Errors															
No errors.															
Comments															
Attachments															
No attachments.															
Report Last Saved By															
Oxbow Mining LLC															
User:															
GHGSMITHOXBOW															
Name:															
Douglas Smith															
E-Mail:															
doug.smith@oxbow.com															
Date/Time:															
2021-10-01 10:51 (Time Zone: -06:00)															
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User:															
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Name:															
Douglas Smith															
E-Mail:															
doug.smith@oxbow.com															
Date/Time:															
2021-10-01 10:51 (Time Zone: -06:00)															

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Permit		Permittee:		Facility:						
Permit #:	CO0000132	Permittee:	Oxbow Mining LLC	Facility:	SANBORN CRK & ELK CRK MINES					
Major:	No	Permittee Address:	PO Box 535 Somerset, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434					
Permitted Feature:	012 External Outfall	Discharge:	012-X Chronic WET Testing for 012A							
Report Dates & Status										
Monitoring Period:	From 07/01/21 to 09/30/21	DMR Due Date:	10/28/21	Status:	Not DMR Validated					
Considerations for Form Completion										
See I.D.1 for details of test procedure. Rpt NOEC using test code "S". Rpt IC25 using test code "P". Beginning 10-1-21, rpt highest number between "P" and "S" at "T" for each parameter. IWC=100%										
Principal Executive Officer:										
First Name:	MIKE	Title:	PRESIDENT	Telephone:	970-929-5122					
Last Name:	LUDLOW									
No Data Indicator (NODI)										
Form NODI:	--									
Code	Parameter Name	Monitoring Location	Season	Permit NODI	Quantity or Loading Quarter 1 Value 1 Quarter 2 Value 2 Units	Quantity or Concentration Quarter 1 Value 1 Quarter 2 Value 2 Units	# of Ex.	Frequency of Analysis	Sample Type	
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0	--	Sample Permit Req Value NODI	Req Mon SINGSAMP C - No Discharge		2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3
TKP3B	Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0	--	Sample Permit Req Value NODI	Req Mon MN VALUE C - No Discharge		2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	P - See Comments	0	--	Sample Permit Req Value NODI	Req Mon SINGSAMP C - No Discharge		2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3
TKP6C	Static Renewal 7 Day Chronic Pimephales promelas	S - See Comments	0	--	Sample Permit Req Value NODI	Req Mon MN VALUE C - No Discharge		2G - tox chronic	01/90 - Quarterly	G3 - GRAB-3
Submission Note										
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.										
Edit Check Errors										
No errors.										
Comments										
Attachments										
No attachments										
Report Last Saved By										
Oxbow Mining LLC										
User:	GHGSMITHOXBOW									
Name:	Douglas Smith									
E-Mail:	doug.smith@oxbow.com									
Date/Time:	2021-10-01 10:48 (Time Zone: -06:00)									
Report Last Signed By										
User:	GHGSMITHOXBOW									
Name:	Douglas Smith									
E-Mail:	doug.smith@oxbow.com									
Date/Time:	2021-10-01 10:51 (Time Zone: -06:00)									

DMR Copy of Record

Permit		Permittee: Oxbow Mining LLC		Facility: SANBORN CRK & ELK CRK MINES	
Permit #:	CO0000132	Permittee Address:	PO Box 535 Somerset, CO 81434-0535	Facility Location:	3737 HIGHWAY 133 SOMERSET, CO 81434
Major:	No	Discharge:	012-Q Quarterly Monitoring for 012A		
Permitted Feature:	012 External Outfall				
Report Dates & Status					
Monitoring Period:	From 07/01/21 to 09/30/21	DMR Due Date:	10/28/21	Status:	NetDMR Validated
Considerations for Form Completion					
Quarterly monitoring - see Appendix B, #34, pg 17.					
Principal Executive Officer					
First Name:	MIKE	Title:	PRESIDENT	Telephone:	970-929-5122
Last Name:	LUDLOW				
No Data Indicator (NODI)					
Form NODI:	--				
Parameter	Monitoring Location	Session #	Param. NODI	Quantity or Loading	Quality or Concentration
Code	Name			Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2	Value 2 Qualifier 3 Value 3 Units
70295	Solids, total dissolved	1 - Effluent Gross	0	--	
				Req Mon 30DA AVG	Req Mon DAILY MX 19 - mg/L
				C - No Discharge	C - No Discharge
					01/90 - Quarterly GR - GRAB
Submission Note					
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.					
Edit Check Errors					
No errors.					
Comments					
Attachments					
No attachments.					
Report Last Saved By					
Oxbow Mining LLC					
User:	GHGSMITHOXBOW				
Name:	Douglas Smith				
E-Mail:	doug.smith@oxbow.com				
Date/Time:	2021-10-01 10:49 (Time Zone: -06:00)				
Report Last Signed By					
User:	GHGSMITHOXBOW				
Name:	Douglas Smith				
E-Mail:	doug.smith@oxbow.com				
Date/Time:	2021-10-01 10:51 (Time Zone: -06:00)				

DMR Copy of Record

Permit #:		CO0000132		Permittee:		Oxbow Mining LLC		Facility:		SANBORN CRK & ELK CRK MINES								
Major:		No		Permittee Address:		PO Box 535 Somerset, CO 81434-0535		Facility Location:		3737 HIGHWAY 133 SOMERSET, CO 81434								
Permitted Feature:		012 External Outfall		Discharge:		012-A Sediment Pond to Elk Creek												
Report Dates & Status																		
Monitoring Period:				From 09/01/21 to 09/30/21				DMR Due Date:		10/28/21								
								Status:		NetDMR Validated								
Considerations for Form Completion																		
TSS & Total Recoverable Iron limits will be waived, and Settleable Solids Lmt applied for <=10yr,24hr precip event. 30 day avg is highest monthly avg during period reported. Report calculated SAR at MLOC=EG; adjusted SAR at MLOC=P.																		
Principal Executive Officer																		
First Name:				MIKE				Title:		PRESIDENT								
Last Name:				LUDLOW				Telephone:		970-929-5122								
No Data Indicator (NODI)																		
Form NODI: --																		
Code	Parameter Name	Monitoring Location	Season	# Param	NODI	Quantity or Loading				Quality or Concentration				# of Es.	Frequency of Analysis	Sample Type		
						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2				Value 2	Qualifier 3
00010	Temperature, water deg. centigrade	1 - Effluent Gross	0	--	Sample Permit Req Value NODI									Req Mon MX WK AV	Req Mon DAILY MX	04 - deg C	99/99 - Continuous	RC - Recorder (auto)
														C - No Discharge	C - No Discharge			
00094	Conductivity	1 - Effluent Gross	0	--	Sample Permit Req Value NODI									Req Mon 30DA AVG		7B - dS/m	02/30 - Twice Per Month	GR - GRAB
														C - No Discharge				
00400	pH	1 - Effluent Gross	0	--	Sample Permit Req Value NODI					>=	6.5 MINIMUM		<=	9.0 MAXIMUM	12 - SU	01/30 - Monthly	GR - GRAB	
														C - No Discharge	C - No Discharge			
00440	Bicarbonate ion- [as HCO3]	1 - Effluent Gross	0	--	Sample Permit Req Value NODI									Req Mon 30DA AVG	Req Mon DAILY MX	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
														C - No Discharge	C - No Discharge			
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample Permit Req Value NODI					<=	30.0 30DA AVG	<=	45.0 MX 7D AV	19 - mg/L	01/30 - Monthly	GR - GRAB		
														C - No Discharge	C - No Discharge			
00918	Calcium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req Value NODI									Req Mon 30DA AVG	Req Mon DAILY MX	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
														C - No Discharge	C - No Discharge			
00921	Magnesium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req Value NODI									Req Mon 30DA AVG	Req Mon DAILY MX	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
														C - No Discharge	C - No Discharge			
00923	Sodium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req Value NODI									Req Mon 30DA AVG	Req Mon DAILY MX	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
														C - No Discharge	C - No Discharge			
00931	Sodium adsorption ratio	EG - Effluent Gross	0	--	Sample Permit Req Value NODI									Req Mon 30DA AVG	Req Mon DAILY MX	1U - Ratio	02/30 - Twice Per Month	CA - CALCTD
														C - No Discharge	C - No Discharge			
00931	Sodium adsorption ratio	P - See Comments	0	--	Sample Permit Req Value NODI									Req Mon 30DA AVG	Req Mon DAILY MX	1U - Ratio	02/30 - Twice Per Month	CA - CALCTD
														C - No Discharge	C - No Discharge			
00940	Chloride [as Cl]	1 - Effluent Gross	0	--	Sample Permit Req Value NODI									Req Mon 30DA AVG		19 - mg/L	02/30 - Twice Per Month	GR - GRAB
														C - No Discharge				
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req Value NODI									Req Mon 30DA AVG		28 - ug/L	02/30 - Twice Per Month	GR - GRAB
														C - No Discharge				
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req Value NODI					<=	3000.0 30DA AVG			28 - ug/L	02/30 - Twice Per Month	GR - GRAB		
														C - No Discharge				

01046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01074	Nickel, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon DAILY MX C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01306	Copper, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01313	Cadmium, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01314	Chromium, trivalent, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
01318	Lead, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01319	Manganese, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01322	Nickel, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
01323	Selenium, potentially dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
03582	Oil and grease	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		<=	10.0 INST MAX C - No Discharge	19 - mg/L 77/77 - Contingent GR - GRAB
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr			Req Mon DAILY MX C - No Discharge	28 - ug/L 02/30 - Twice Per Month GR - GRAB
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr	<= 0.004 30DA AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	03 - MGD	01/30 - Monthly IN - INSTAN
50286	Mercury, total [low level]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	28 - ug/L	02/30 - Twice Per Month GR - GRAB
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB
81020	Sulfate	1 - Effluent Gross	0	--	Sample Permit Req. Value NODr		Req Mon 30DA AVG C - No Discharge	19 - mg/L	02/30 - Twice Per Month GR - GRAB

