



Edifica Colombia Ltda
 Cra 48 No. 98-57
 Bogotá D.C. Colombia
 Telephone: (057) 5086013
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BORING NUMBER BH-24

CLIENT SPIA - SOCIEDAD PUERTO INDUSTRIAL AGUADULCE
 PROJECT NUMBER 13016
 DATE STARTED 7/6/13 COMPLETED 11/6/13
 DRILLING CONTRACTOR Edifica Colombia Ltda
 DRILLING METHOD Drilling with TP-50D
 LOGGED BY Roberto Nieves CHECKED BY Luis F Vesga
 NOTES Offshore borehole

PROJECT NAME PUERTO AGUADULCE
 PROJECT LOCATION AGUADULCE, BUENAVENTURA, COLOMBIA
 GROUND ELEVATION -11.5 m 0 HOLE SIZE HQ
 GROUND WATER LEVELS:
 AT TIME OF DRILLING --- 3.50m
 AT END OF DRILLING --- 0.00m
 AFTER DRILLING --

GEOTECH BH PLOTS - GEOTECHNICAL INVESTIGATION FOR SPIA. TEST BORINGS LOGS.GPJ GINT STD CANADA LAB.GDT 13/6/13

DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (kPa)	DRY UNIT WT. (Mg/m³)	SPT N VALUE	
								PL	LL
2		(ML) Sandy SILT, dark gray, presence of organic soil, low plasticity, moist	SH 1	100					
			SPT 2	100	1-1-1 (2)				
			SPT 3	100	2-1-1 (2)				
4		(CL-ML) Silty CLAY, dark gray, presence of organic soil, low plasticity, moist	SPT 4	100	1-1-1 (2)				
6		(ML) Sandy SILT, gray, brown bands, presence of wood, low plasticity, moist	SPT 5	100	2-1-1 (2)				
6		(ML) Sandy SILT, dark gray, low plasticity, moist	SPT 6	100	6-13-45 (58)				
8		No Recovery. Soft Rock.	SPT 7	100	33-50				
8			RC 8	0 (0)					

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PROJECT NUMBER 13016

PROJECT LOCATION AGUADULCE, BUENAVENTURA, COLOMBIA

DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (kPa)	DRY UNIT WT. (Mg/m ³)	SPT N VALUE	
								PL	MC LL
								20	40 60 80
								20	40 60 80
								□ FINES CONTENT (%) □	
								20	40 60 80
		No Recovery. Soft Rock. (continued)							
		(ML) Sandy SILT, dark gray, low plasticity, moist	SPT 9	100	3-12-38 (50)				
12									
			SPT 10	100	8-12-28 (40)				
14			SPT 11	100	8-24-50 (74)				
		Siltstone, dark gray, fractured, fresh							
			RC 12	17 (0)					
16									
			RC 13	15 (0)					
18									
20									

Bottom of borehole at 20.00 meters.

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Preliminary



EDIFICA
COLOMBIA LTDA

GEOTECHNICAL INVESTIGATION FOR SPIA.
BOREHOLE BH-24

PHOTOGRAPHIC RECORD ROCK CORES



Preliminary