

Republic of the Philippines
National Water Resources Board
8th Floor NIA Building, EDSA, Quezon City

WATER PERMIT APPLICATION EVALUATION SHEET
Groundwater Source

2159

Water Permit Application 44468

Control No.

Date Filed: 01-24-06

At:

<p>1. Name and Address of Applicant: PRIMEWATER INFRASTRUCTURE CORPORATION, Unit 12 Starmall Apartelle, Shaw Blvd, Mandaluyong City</p>	<p>2. Location of Source: <input checked="" type="checkbox"/> Well <input type="checkbox"/> Spring (Barangay, Municipality, Province) Merida Subd. BF Resort Village, Talon II, Las Pinas City</p>	<p>3. Location of Diversion Point a. Map Sheet No. b. Latitude: 14-25-0.42 c. Longitude: 120-59-12.3</p>
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4. Checklist of documents and data requirements:

a. <input checked="" type="checkbox"/> Ownership/right to land established	i. <input checked="" type="checkbox"/> Clearances
b. <input type="checkbox"/> Brief description of proposed project/development	() NIA- PIO, CO
c. <input checked="" type="checkbox"/> Location plan of water source & pt. of diversion (1:50,000 scale)	() DPWH - DE,
d. <input checked="" type="checkbox"/> Location plan of area to be developed indicating the layout of proposed work	() DENR (for all uses that affect water quality)
e. <input checked="" type="checkbox"/> SEC Registration with Articles of Incorporation and Certification from the Corporate Secretary as to the present capital structure or DTI/Cert of Conformance	() ECC
f. <input type="checkbox"/> Investigation Report	() MWSS (within its franchise area only)
g. <input checked="" type="checkbox"/> Water analysis/Bacteriological test (for Domestic use only)	() NPC (for hydropower generation only)
h. <input checked="" type="checkbox"/> Pumping test results/Well log data/Well Data	() WD (within its franchise area only)
	j. <input type="checkbox"/> Others: NWRB report, CR for Penalty

<p>5. Purpose: (Check as appropriate)</p> <p>a. <input checked="" type="checkbox"/> Domestic and Municipal Use</p> <p>b. <input type="checkbox"/> Irrigation</p> <p>c. <input type="checkbox"/> Power Generation</p> <p>d. <input type="checkbox"/> Fisheries</p> <p>e. <input type="checkbox"/> Livestock Raising</p> <p>f. <input type="checkbox"/> Industrial use, and</p> <p>g. <input type="checkbox"/> Other uses</p>	<p>6. Related Data:</p> <p>a. Area to be irrigated : <u>NA</u> hectares (for irrigation use)</p> <p>Crop Type : <u>NA</u> (for irrigation use)</p> <p>Water Duty : <u>0.0029</u> lps/person</p> <p>b. Population to be served by system : <u>690</u> persons (for domestic use)</p> <p>c. Rated Capacity of Power Plant : <u>NA</u> kw (for hydropower)</p> <p>d. Fishpond area : <u>NA</u> ha. (for fishery)</p> <p>e. Livestock population to be served : <u>NA</u> heads (for livestock raising)</p> <p>f. Annual production (product) : <u>NA</u> tons (for industrial)</p>
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7. Water Availability

a. Existing MWSS wells within 0.5 km. radius

MWSS Well No.	NAME	Lateral Distance (m)

b. Existing wells within km. Radius

Water Permit No.	NAME	Amt. of water granted (lps)	Lateral Dist. (m)

c. Pending Application within km. Radius

Water Permit No.	NAME	Amt. of water applied for (lps)	Lateral Dist. (m)

8. Hydrogeological data (Sub-area no.) SA **1-2511**

Static Water Level: **23.16 m** Transmissivity: m²/d Specific Capacity: lps/m

Mining Yield: **150.83 lps** Safe Yield: **862.08 + 150.68 = 1012.71**

<p>9. Computation for beneficial use requirement</p> <p>Water Requirement = 690 x 0.0029 = 2.00 lps</p>	<p>10. Discharge of the Well</p> <p>8.82</p>
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<p>11. Prior appropriation: (lps) 2247.00</p>	<p>12. Water available for appropriation:</p>
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<p>13. Amount of water applied for (lps): 2.1 lps</p>	<p>14. Amt. of water recommended for approval: 2.00 lps.</p>
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15. Remarks: (Amount recommended for approval must be equal to either the amount of water available for appropriation, beneficial use requirement, the amount of water applied for or well capacity, whichever is the least.)

Per evaluation amount of water needed is 2.00 lps, hence the same is recommended for approval.

16. CPC is required

<p>Documents verified by: <i>Jaime M. Noriente</i> JAIME M. NORIENTE Head, Permit Section</p>	<p>Evaluated by: <i>Arlene C. Diaz</i> ARLENE C. DIAZ Engineer III</p>
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<p>Checked by: <i>Evelyn W. Ayson</i> EVELYN W. AYSON Head, Evaluation Section</p>	<p>Submitted by: <i>Elenito M. Bagalibao</i> ATTY. ELENITO M. BAGALIBAO Chief, Water Rights Division</p>
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WELL LOG RECORD SHEET

1. WATER RESOURCES REGION:		NWRB WELL NO.:		25. DEPTH OF EACH LAYER	26. UNIT	27. SHORT DESCRIPTION OF PENETRATED DATA
2. LOCALITY: TALON, LAS PIÑAS CITY		ORIGINAL WELL NO.:		0-6	M	CLAY, BROWN SAND GRAVELLY
2a. BASIN NO.:		BASIN NAME: CAMELLA MERIDA		6-15	M	TUFF MIXTURE OF BROWN AND BLACK FINE TO MEDIUM GRAINED
3. MAP NO./ SCALE:		4. COORDINATES:		15-35	M	TUFF BROWN FINE TO COARSE GRAINED ADMIXED WITH BROWN CLAY
5. COMPLETION DATE: JULY 14, 2000		6. ELEVATION OF GROUND:		35-51	M	TUFF, BROWN FINE TO COARSE GRAINED
7. CASING DIAMETER: 8 INCHES		8. CASING BELOW GROUND: 28 PCS		51-73	M	CLAY, BROWN STICKY
SCREEN	DIAMETER	BELOW GROUND		73-88	M	SAND, MEDIUM TO COARSE GRAINED WITH MINOR PRESENCE OF CLAY
		FROM	TO			
	1. 8 INCHES	81 METERS	87 METERS	88-104	M	TUFF, BLACK FINE TO MEDIUM GRAINED
	2. 8 INCHES	90 METERS	96 METERS	104-120	M	TUFF, MIXTURE OF BROWN AND BLACK MEDIUM TO COARSE GRAINED
	3. 8 INCHES	99 METERS	108 METERS	120-129	M	TUFF, BLACK FINE TO MEDIUM GRAINED
	4. 8 INCHES	114 METERS	120 METERS	129-148	M	CLAY, BROWN STICKY
	5. 8 INCHES	123 METERS	129 METERS	148-180	M	TUFF, BLACK FINE TO MEDIUM GRAINED
	6. 8 INCHES	153 METERS	156 METERS	180-188	M	CLAY, GRAY SANDY
	7. 8 INCHES	162 METERS	168 METERS	188-219	M	TUFF, BLACK FINE TO MEDIUM GRAINED WITH MINOR PRESENCE OF CLAY
	8. 8 INCHES	174 METERS	180 METERS	219-230	M	CLAY, GRAY SANDY
	9. 8 INCHES	189 METERS	195 METERS	230-244	M	CLAY, GRAY SANDY
	10. 8 INCHES	204 METERS	210 METERS			
	11. 8 INCHES	213 METERS	219 METERS			
	12. 8 INCHES	228 METERS	234 METERS			
10. TYPE OF SCREEN & PERFORATION: STAINLESS STEEL SCREENS						
STATIC WATER LEVEL	BELOW GROUND	DATE	ELEVATION			
	1. 20 METERS	JULY 21, 2000				
	2. 25 METERS	JULY 15, 2001				
	3. 30 METERS	FEBRUARY 11, 2003				
	4. 45 METERS	JANUARY 18, 2007				
12. LATER MEASUREMENT OF WATER LEVEL: 45 METERS						
13. M ³ /H/M:		14. IN MIN.:				
15. PUMP TEST PERFORMED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		16. STORAGE COEFF.:				
17. WATER RIGHT DATE:		18. WATER RIGHT QUANTITY:				
19. WATER ANALYSIS:		20. TM ² /HR:				
21. SIEVE TEST ANALYSIS:		22. DESCRIPTION OF SAMPLES:				
23. SAMPLE BOX NOS.:						
24. DATE AND WRITTEN BY:						
28. REMARKS						



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PUMPING TEST DATA SHEET

- 1. Region: _____
- 2. Basin/Name: Merida
- 3. Well L.D. Data No.: _____
- 4. Location: Molino, Bacoor, Cavite
- 5. Local Well No.: _____
- 6. Type of Test Cons. Q Recovery Step Drawdown
- 7. Pump Setting (m): 280 ft
- 8. Duration; 24 hrs From: July 21, 2000 To: July 22, 2000
- 9. Minutes: _____
- 10. Dist. from Pumped Well: _____
- 11. Casing Dia.: 8 Inches
- 12. Description of M.D.: _____
- 13. Test Data from Pumped Well Observation Well
- 13. WL Measured: 65.6 ft.

DATE	HOUR	TIME AFTER THE START OF PUMP	WATER LEVEL (M)	DRAWDOWN/ RECOVERY (M)	DISCHARGE (GPM)	REMARKS
July 21, 2000	8:00 PM	0	20	0		
July 21, 2000		1				
July 21, 2000		2				
July 21, 2000		3				
July 21, 2000		4				
July 21, 2000		5				
July 21, 2000		6				
July 21, 2000		7				
July 21, 2000		8				
July 21, 2000		9				
July 21, 2000	8:10 PM	10	30	10	140	
July 21, 2000		12				
July 21, 2000		14				
July 21, 2000		16				
July 21, 2000		18				
July 21, 2000		20	35	15	140	
July 21, 2000		25				
July 21, 2000	8:30 PM	30				
July 21, 2000		35				
July 21, 2000		40	38	18	140	
July 21, 2000		45				
July 21, 2000		50				
July 21, 2000	9:00 PM	60				
July 21, 2000		70				
July 21, 2000		80				
July 21, 2000		90				
July 21, 2000		105				
July 21, 2000	10:00 PM	120				
July 21, 2000		135				
July 21, 2000		150				
July 21, 2000	11:00 PM	180	40	20	140	
July 21, 2000		210				
July 22, 2000	12:00 MN	240				
July 22, 2000		270				
July 22, 2000	1:00 AM	300				
July 22, 2000		360				
July 22, 2000		420	42	22	140	
July 22, 2000		480				
July 22, 2000		540				
July 22, 2000		600				

1. Review
2. Approved
3. Date of
4. Date of
5. Date of
6. Date of
7. Date of
8. Date of
9. Date of
10. Date of
11. Date of
12. Date of
13. Date of

