

Waters Corporation
US Capital Expenditure Authorization (CEA) Form
Version - January 2007

Corporate Finance Use	
CEA	WPPL19014
Account	170100

I. General Information

1. Description of Asset(s) and Project: New Flowcell and Photodiode on 9026661 (WX2154) Tester TE82760

2. Department Name: Waters Pacific Pte Ltd - Operations 3. Cost Center: WP21 4. Company Code: SG02

5. Requestor: Edwin Koh Telephone: (65) 6593 7409

6. Financial Analyst: Christine Zhao Telephone: (65) 6593 7425

7. ☒ Original CEA Request or ☐ Supplemental Request - Original CEA: _____

8. Will asset(s) reside at a Waters facility? ☒ Yes - City: Singapore State: Singapore

☐ No - Company Name, Address & Contact: Venture GES, 28 Marsiling Ln, Singapore 739152

II. Summary of Budget and Requested Amounts

Budget and Requested Amounts:		Cost Components Including Supplemental Amount:		Tax Department Use
9. Budget	\$ 9,000.00	15. Purchased Materials - External Vendors		
10. Original CEA Amount	\$ 9,000.00	16. Services		
11. Supplemental Amount		17. Consulting / Contractors - External Labor		
12. Total CEA Amount	\$ 9,000.00	18. Waters Employee Labor		
		19. Waters Stock Withdrawal / Internal Purchase @ Mfg Cost	9,000.00	
13. (Over)/ Under Budget	\$ 9,000.00	20. Total CEA Amount	9,000.00	

14. Is this a purchase from a Waters subsidiary? ☒ no ☐ yes - Transfer Price Amount: _____

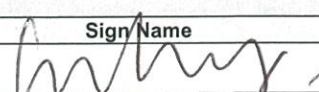
III. Identifiable Asset(s) and Project Components

21. Description	22. Quantity	23. Cost / Each	24. Total Cost	25. Useful Life/Years
LED Flow Cell tool	2	2,000	\$ 4,000.00	5years
Photodiode tool	2	2,000	\$ 4,000.00	5years
New power supply upgrade to tester	1	1,000	\$ 1,000.00	5years
			\$ 9,000.00	

IV. Approvals

One operational and one financial approval is required from within the same division for CEA's up to \$1M. See matrix below.
 Obtaining a higher level of approval within the Operational and Financial categories is allowed.
 See instructions for additional details regarding approval requirements.

Highest Level of Approvals Required		
	Operational	Financial
Budgeted up to \$100k	Cost Center Manager	Financial Analyst
Unbudgeted up to \$100k	Cost Center Manager	Controller
Budgeted & Unbudgeted up to \$250k	Division V.P.	Division V.P., Finance
Budgeted & Unbudgeted up to \$1M	Division President for Division, V.P. Finance for Corporate	Division V.P., Finance for Division, C.F.O. for Corporate
Budgeted & Unbudgeted over \$1M	Division President & C.E.O.	Division V.P., Finance & C.F.O.

26. Required Approvals up to \$1M			
	Print Name	Sign Name	Date
Operational	LIM EE LING		13/9/2019
Financial	ALAN TAN		12/9/2019

Corporate Finance Approval (Initial & Date) _____

Entered Into SAP (Initial & Date) _____

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V. Purpose

- | | |
|--|--|
| ☐ Health & Safety | ☐ Development of Revenue |
| ☐ Regulatory Requirement | ☐ Cost Reduction Program |
| ☐ Maintain Existing Asset | |
| ☒ Replace Existing Asset | Asset # & Date Acquired: _____ |
| Other..... | To replace existing flowcell and photodiode tools and upgrade power supply |

27. Please provide background information, reason for request, additional description of item/project and economics of proposal.

Since 2018, Venture production found some failures on Signal to Noise Ratio failure. The units are failed the 1st test with readings approximately zero (~0.00) and the 2nd test (retest) passed with over thousands (>1000). 55.56% of Signal/Noise Ratio failure are failed with readings nearly to "zero". It is suspected that most failures are related to poor flowcell alignment and wear and tear. Milford is trying to develop a new flowcell design to address this issue. OESR S190037 & S190068 detailed the failures. The long term plan is to develop the replacement flowcell to address these failures.

VI. Tax Information

28. Is this capital expenditure directly *and* exclusively related to manufacturing or R&D and to be used in a non-administrative capacity? ☒ Yes ☐ No
29. If 28 "Yes", will it be used for pollution control or waste removal? ☐ Yes ☒ No
30. If this capital expenditure is for R&D only, will it be used for quality control? ☐ Yes ☒ No
31. Is this capital expenditure for a repair to or enhancement of real property (i.e. building or land)? ☐ Yes ☒ No
32. If 31 "Yes", will there be a contractor providing labor and materials? ☐ Yes ☐ No
33. If 31 "Yes", is the project a lump sum contract or will materials and labor be billed separately? ☐ Yes ☐ No

VII. Timing of Project

	Current Year				Next Year	Total
	Q1	Q2	Q3	Q4	Carryover	
Approvals (k\$)				X		
Spending (k\$)				X		

VIII. Budget

	Current Year			
	Q1	Q2	Q3	Q4
34. What quarter was this budgeted in?	X			

35. Provide explanation if CEA is unbudgeted (partially or fully).

Utilize the \$50K on production renewal capex under Ops budget for this replacement.

IX. Additional Approvals

36. Required Approvals up to \$1M

	Print Name	Sign Name	Date
Operational			
Financial			

37. Other Approvals, Not Required

	Print Name	Sign Name	Date
TEST ENGINEERING			

From: Matt Franklin <Matt_Franklin@waters.com>

Sent: Tuesday, September 3, 2019 21:58

To: Edwin Koh <Edwin_Koh@waters.com>

Cc: Matt Brule <Matt_Brule@waters.com>; Desmond Ann <Desmond_Ann@waters.com>; HuaZhen Luo <HuaZhen_Luo@waters.com>; Jaaffar Ismail <Jaaffar_Ismail@waters.com>; Stephen Wright <Stephen_Wright@waters.com>; Tetiana Morse <Tetiana_Morse@waters.com>; Eric Turner <Eric_Turner@waters.com>

Subject: RE: Operations Engineering Service Request form for Golden FC FLR

Hi Edwin,

This improvement project will include 3 different costs:

- 1) The new LED Flow Cell tool
- 2) The new Photodiode tool
- 3) Updates to the tester (new power supply)

The LED Flow Cell and the Photodiode Flow Cell should cost around \$1800 to \$2000 each.

I am not sure exactly what the updated to the tester will cost but I am hoping it is not much more than \$1000.

So in total it looks like we will need around \$5000 to get started on the Singapore updates.

Is this something you have capex for?

If so, please let us know the details.

Thanks,

Matt