

TUI Blue Meltemi

Contract Number	2865
Client	TUI Blue Meltemi
Country	Greece

Region	South Aegean
City	Tinos (Nomos Kykladon)
Post Code	84703

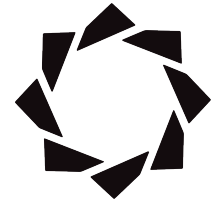
Language Printed	English
Date Printed	Sunday, 5 June, 2022
Consultant	Theodoros Argyriou
Record Type	Audit

Language Written	English
Date Written	Monday, 2 May, 2022
Contact Name	GV
Score	61.76%

Greece Office

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Property	TUI Blue Meltemi		
Module	AquaCheck	Record Date	Monday, 2 May, 2022

Consultancy Summary

Consultant	Theodoros Argyriou	Score	61.76%
		Qualification Status	A medium risk premises requiring attention to reduce risk

Dear GV,

Thank you for your time on Monday, 2 May, 2022 when we met to discuss what the visit will entail.

Areas

The scope of the visit included the following:

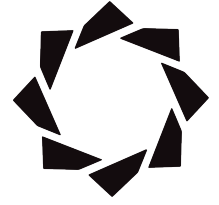
1. Cold water supply, processing and storage, hot water production and distribution, terminal points measurements, records and documentation

Urgent Actions

1. A deputy should be appointed to replace in the absence of, and assist the person with overall responsibility for the management of the legionella prevention system. This person must also have been given sufficient training / authority to fulfil their duties. - Deputy person has no training no expertise in Legionella management
2. Where necessary instruction, information and training should be provided that all involved are capable of conducting their roles in accordance with the requirements of the system. - Roles and responsibilities have not been defined as there is no Legionnaire's disease Control & Prevention manual
3. A manual must be established which includes all checkpoints and all actions for treatment and maintenance that must be undertaken to prevent legionnaires' disease. - There is no Legionnaire's disease Control & Prevention manual
4. A maintenance programme must be established which includes all checkpoints, treatment and maintenance to be undertaken to prevent legionnaires' disease. - There is no planned preventative maintenance programme
5. It is important to regularly drain hot water tanks to avoid sediment accumulation. - There are no drainage valves at all
6. Personnel in charge of maintenance tasks related to Legionnaires Disease Prevention must have suitable knowledgeable and training about that responsibility. - Personnel involved have had no training at all
7. Laboratory sampling, as a verification tool, should be used to verify that activities and protocols undertaken are effective. - No laboratory sampling conducted so far for 2022 season
8. Lab analysis and sampling must be carried out at the required frequencies to demonstrate that independent water treatment by the establishment produces water suitable for human consumption. - No lab analysis nor sampling conducted so far for 2022 season
9. Regular draining will avoid nutrient accumulation in the lower part of hot water tanks which is likely to promote bacterial growth. - Hot water tanks are not drained

General Comments

Hotel needs to urgently and effectively address several technical issues to ensure protocol implementation



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Module	AquaCheck	Record Date	Monday, 2 May, 2022

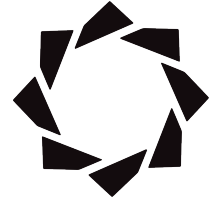
Consultancy Summary

Next Steps

The E-Cristal system has been designed to help you manage the areas specified during this visit. Please ask me for any assistance you require using, logging into or reproducing data from our website, E.Cristal.CristalStandards.com.

Kind regards,

Theodoros Argyriou
Consultant
atheodoros@cristalstandards.com



Property	TUI Blue Meltemi		
Module	AquaCheck	Record Date	Monday, 2 May, 2022

Professional Deduction Summary

This Audit does not contain any professional deductions.

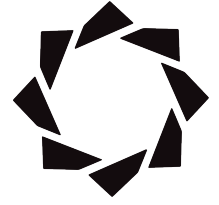
Audit Summary

Section	Point Value
Management	0
General Design	2
General Documentation	0
Potable Water: Layout	2
Potable Water: Disinfection	2
Hot Water: Construction	2
Hot Water: Layout	0
Hot Water: Temperature	2
Spas, Jacuzzis and Other Risk Facilities	1
Low Risk Facilities	2
Training	0
Records	2
Verification Activities: Laboratory Sampling	0
Specific Protocols for Legionnaires Disease	0
Contractors	2
Safety Issues	2
Risk Management and Corrective Actions	2

Question Subject	Positively Answered
Management	67%
Documentation	73%
Infrastructure	95%
Processing	93%
Sampling	33%
Training	67%

Professional Deduction	0
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Score	61.76%
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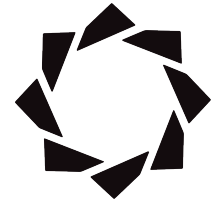
Property	TUI Blue Meltemi		
Module	AquaCheck	Record Date	Monday, 2 May, 2022

Audit Details

Section	Pre-assessment
Question	Does the property have Cooling Towers?
Answer	No

Section	Pre-assessment
Question	Is additional sampling undertaken?
Answer	No

Section	Management
Question	Has a deputy been nominated?
Answer	A deputy to the person with overall responsibility for legionella prevention system has been appointed, however this person has not been given sufficient training / authority to fulfil their duties.
Comments	Deputy person has no training no expertise in Legionella management
Recommendation (English)	A deputy should be appointed to replace in the absence of, and assist the person with overall responsibility for the management of the legionella prevention system. This person must also have been given sufficient training / authority to fulfil their duties.
Target Date	Saturday, 4 June, 2022



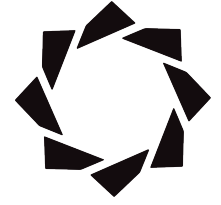
Property	TUI Blue Meltemi		
Module	AquaCheck	Record Date	Monday, 2 May, 2022

Audit Details

Section	Management		
Question	Are the roles and responsibilities for all employees involved in the Legionella prevention system clearly defined in writing?		
Answer	Roles and responsibilities for all employees have not been defined. Clearly defined roles and responsibilities for all employees involved should be recorded and communicated.		
Comments	Roles and responsibilities have not been defined as there is no Legionnaire's disease Control & Prevention manual		
Recommendation (English)	Where necessary instruction, information and training should be provided that all involved are capable of conducting their roles in accordance with the requirements of the system.		
Responsible Person	GV	Target Date	Saturday, 4 June, 2022

Section	General Documentation		
Question	Does the property have a manual and system for the control of risk associated with legionnaires disease?		
Answer	There is no manual.		
Comments	There is no Legionnaire's disease Control & Prevention manual		
Recommendation (English)	A manual must be established which includes all checkpoints and all actions for treatment and maintenance that must be undertaken to prevent legionnaires' disease.		
Responsible Person	PANAGIOTIS SKONDROGIANNIS	Target Date	Saturday, 4 June, 2022

Section	General Documentation		
Question	Does the property have a programme of planned preventative maintenance that includes all facilities related to the water network?		
Answer	There is no programme.		
Comments	There is no planned preventative maintenance programme		
Recommendation (English)	A maintenance programme must be established which includes all checkpoints, treatment and maintenance to be undertaken to prevent legionnaires' disease.		
Responsible Person	PANAGIOTIS SKONDROGIANNIS	Target Date	Saturday, 4 June, 2022



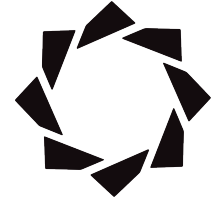
Property	TUI Blue Meltemi		
Module	AquaCheck	Record Date	Monday, 2 May, 2022

Audit Details

Section	Hot Water: Layout		
Question	Do hot water tanks have drainage valves on the bottom of the tank which is easily accessible?		
Answer	There is no drainage valve at the bottom of the tank or the drain is hard to reach.		
Comments	There are no drainage valves at all		
Recommendation (English)	It is important to regularly drain hot water tanks to avoid sediment accumulation.		
Responsible Person	PANAGIOTIS SKONDROGIANNIS	Target Date	Saturday, 4 June, 2022

Section	Spas, Jacuzzis and Other Risk Facilities		
Question	Are spas, jacuzzis and other risk facilities included in the manual for the prevention of legionnaires disease?		
Answer	Not included in manual.		
Comments	Spas and jacuzzis are not included in the Legionnaire's disease Control & Prevention manual		
Recommendation (English)	All facilities should be listed in the Manual in order to control risk.		
Responsible Person	PANAGIOTIS SKONDROGIANNIS	Target Date	Saturday, 4 June, 2022

Section	Training		
Question	Are all personnel undertaking maintenance duties given the knowledge and training (authorised where necessary) to perform the required tasks?		
Answer	Personnel do not have appropriate training or knowledge.		
Comments	Personnel involved have had no training at all		
Recommendation (English)	Personnel in charge of maintenance tasks related to Legionnaires Disease Prevention must have suitable knowledgeable and training about that responsibility.		
Responsible Person	PANAGIOTIS SKONDROGIANNIS	Target Date	Saturday, 4 June, 2022



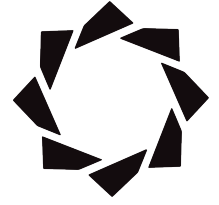
Property	TUI Blue Meltemi		
Module	AquaCheck	Record Date	Monday, 2 May, 2022

Audit Details

Section	Verification Activities: Laboratory Sampling		
Question	Is a procedure in place for laboratory screening for legionella pneumophilla in critical risk points?		
Answer	Laboratory sampling is not undertaken.		
Comments	No laboratory sampling conducted so far for 2022 season		
Recommendation (English)	Laboratory sampling, as a verification tool, should be used to verify that activities and protocols undertaken are effective.		
Responsible Person	PANAGIOTIS SKONDROGIANNIS	Target Date	Saturday, 4 June, 2022

Section	Verification Activities: Laboratory Sampling		
Question	Are the results of laboratory screening satisfactory?		
Answer	Not Applicable		
Comments	N/A as no lab test results available		

Section	Verification Activities: Laboratory Sampling		
Question	If the property generates and processes its own water, is there appropriate analysis and laboratory sampling to ensure that it is suitable for human consumption?		
Answer	Laboratory analysis and sampling is not performed regularly enough to demonstrate treated water is suitable as potable water.		
Comments	No lab analysis nor sampling conducted so far for 2022 season		
Recommendation (English)	Lab analysis and sampling must be carried out at the required frequencies to demonstrate that independent water treatment by the establishment produces water suitable for human consumption.		
Responsible Person	PANAGIOTIS SKONDROGIANNIS	Target Date	Saturday, 4 June, 2022



Property	TUI Blue Meltemi		
Module	AquaCheck	Record Date	Monday, 2 May, 2022

Audit Details

Section	Specific Protocols for Legionnaires Disease		
Question	Are hot water tanks drained at least once a week and preferably every day?		
Answer	Hot water tanks are not drained.		
Comments	Hot water tanks are not drained		
Recommendation (English)	Regular draining will avoid nutrient accumulation in the lower part of hot water tanks which is likely to promote bacterial growth.		
Responsible Person	PANAGIOTIS SKONDROGIANNIS	Target Date	Saturday, 4 June, 2022

Section	Specific Protocols for Legionnaires Disease		
Question	Are hot water tanks heat treated once every 2 weeks as a minimum (increase temperature to 70 degrees C)?		
Answer	Heat treatment is not undertaken.		
Comments	Hot treatment can not be undertaken as there is no thermal capacity on the hot water production system to perform such tasks		
Recommendation (English)	Legionella pneumophilla dies instantly at 70C, which explains why the application of this protocol, in those facilities where this is possible, is so important.		
Responsible Person	PANAGIOTIS SKONDROGIANNIS	Target Date	Saturday, 4 June, 2022