Appendix G: Treatment Classification Worksheet

Treatment Classification

Santa Monica - 1910146

System Name: SANTA MONICA-CITY, WATER DIVISION

System Number: CA1910146

Treatment Facility: Olympic Advanced Water Treatment Facility

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Date: 8/16/2024

Section 64413.1 Classification of Water Treatment Facilities
Table 64413.1-A Water Treatment Facility Class Designation

Total Points	Class	Designation
Less than 20	T1	
20 through 39	T2	
40 through 59	T3	
60 through 79	T4	
80 or more	T5	X

Section 64413.1(b). The calculation of total points for each water treatment facility shall be the sum of the points derived in each of paragraphs (1) through (13) except where a treatment facility treats more than one source, in which case the source with the highest average of each contaminant shall be used to determine the point value in paragraphs (2) through (5).

Section 63750.85. "Water treatment facility" means a group or assemblage of structures, equipment, and processes that treat or condition a water supply, affecting the physical, chemical, or bacteriological quality of water distributed or otherwise offered to the public for domestic use by a public water system as defined in Health and Safety Code Section 116275. **Facilities consisting of only disinfection for which no *Giardia* or virus reduction is required pursuant to Section 64654(a) and which are under the control of a certified distribution operator are not included as water treatment facilities.**

INSTRUCTIONS: For each paragraph item that applies to the system, insert the appropriate number of points in the **Points Assigned** column. For paragraphs (1), (2), (3), (7), (8), (9), (12), and (13), assign **one value only** (whichever is highest) for each paragraph. For paragraphs (4), (5), (6), (10), and (11), assign **all point values** that apply for each paragraph. This spreadsheet will total the points and determine the system's classification.

Paragraph	Points Possible	Value	Points Assigned	Comments
(1) Source Water Used by Facility				
Groundwater and/or purchased treated water meeting primary and secondary drinking water standards, as defined in Section 116275 of the HSC	2	1	2	
Water that includes any surface water or groundwater under the direct influence of surface water	5	0		
(2) Influent Water Microbiological Quality, Median Coliform Density, Most Probable Number Index (MPN) (a)				
Less than 1 per 100 mL	0	1	0	
1 through 100 per 100 mL	2	0		
Greater than 100 through 1,000 per 100 mL	4	0		
Greater than 1,000 through 10,000 per 100 mL	6	0		
Greater than 10,000 per 100 mL	8	0		
(3) Influent Water Turbidity, Maximum Influent Turbidity Level, Nephelometric Turbidity Units (NTU) (b)				
Less than 15	0	1	0	
15 through 100	2	0		
Greater than 100	5	0		
(4) Influent Water Perchlorate, Nitrate, and Nitrite; Perchlorate, Nitrate, and Nitrite Data Average (c)				
Less than or equal to the MCL	0	1	0	
Greater than the MCL	5	0		
(5) Influent Water Chemical and Radiological Contamination, Contaminant Data Average (d)				
Less than or equal to the MCL	0	0	19	
Greater than the MCL	2	2		
5 times the MCL or greater	5	3		
(6) Surface Water Filtration Treatment				
Conventional, direct, or inline	15	0	0	
Diatomaceous earth	12	0		
Slow sand, membrane, cartridge, or bag filter	8	0		
Backwash recycled as part of process	5	0		
(7) The points for each treatment process utilized by the facility and not included in paragraph (6) that is used to reduce the concentration of one or more contaminants for which a primary MCL exists, pursuant to Table 64431-A, Table 64444-A, and Tables 64442 and 64443, shall be 10. Blending shall only be counted as a treatment process if one of the blended sources exceeds a primary MCL.	10	3	30	UV, GAC, Decarbonator
(8) The points for each treatment process not included in paragraphs (6) or (7) that is used to reduce the concentration of one or more contaminants for which a secondary MCL exists, pursuant to Tables 64449-A and 64449-B, shall be 3. Blending shall only be counted as a treatment process if one of the blended sources exceeds a secondary MCL.	3	2	6	Greensand, RO
(9) The points for each treatment process not included in paragraphs (6), (7), or (8) that is used for corrosion control or fluoridation shall be 3.	3	1	3	
(10) Disinfection Treatment				
Ozone	10	0	0	
Chlorine and/or chloramine	10	0		
Chlorine dioxide	10	0		
Ultraviolet (UV)	7	0		
(11) Disinfection/Oxidation Treatment without Inactivation Credit				
Ozone	5	0	5	
Chlorine and/or chloramine	5	1		
Chlorine dioxide	5	0		
Ultraviolet (UV)	3	0		
Other oxidants	5	0		
(12) The points for any other treatment process that alters the physical or chemical characteristics of the drinking water and that was not included in paragraphs (6), (7), (8), (9), (10), or (11) shall be 3.	3	1	3	Cartridge filter
(13) The points for facility flow shall be 2 per million gallons per day or fraction thereof of maximum permitted treatment facility capacity, up to a maximum of 50 points; except that for facilities utilizing only blending, the points shall be based on the flow from the contaminated source and the dilution flow required to meet the MCL(s) specified in Tables 64431-A, 64444-A, 64449-A, 64449-B, 64442, and 64443.	50 max 14 MGD		28	
	Total Points		**96**	

(a) Median of all total coliform analyses completed in the previous 24 months.

(b) For facilities treating surface water or groundwater under the direct influence of surface water, based on the previous 24 months of data, except that if turbidity data is missing for one or more of the months, the points given for turbidity shall be 5. The maximum influent turbidity sustained for at least one hour according to an on-line turbidimeter shall be used unless such data is not available, in which case, the maximum influent turbidity identified by grab sample shall be used. For facilities that have not been in operation for 24 months, the available data shall be used. For facilities whose permit specifies measures to ensure that influent turbidity will not exceed a specified level, the points corresponding to that level shall be assigned.

(c) The points for influent water perchlorate, nitrate, or nitrite levels shall be determined by an average of the three most recent sample results. The points assigned should be the sum of the points for each contaminant.

(d) The points for other influent water contaminants with primary MCLs shall be a sum of the points for each of the inorganic contaminants (Table 64431-A), organic contaminants (Table 64444-A) and radionuclides (Tables 64442 and 64443). The points for each contaminant shall be based on an average of the three most recent sample results. If monitoring for a contaminant has been waived pursuant to Sections 64432(k), 64432.2(c) or 64445(d), the points shall be zero for that contaminant.