

Detterman, Mark, Env. Health

From: Muthana Ibrahim <muthana@miarchitect.com>
Sent: Monday, March 26, 2018 5:59 PM
To: Khan, Muhammed, Env. Health; Roe, Dilan, Env. Health; Detterman, Mark, Env. Health
Cc: 'Jadi'; D.M. Livermore
Subject: FW: 10 S. Grand Line Road - Chevron

Muhammed & Dilan,

Per your request, we contacted Marco Pacheco, State Water Resources Control Board, via phone conversation and emails. As indicated in Marco Pacheco's email below. "No minimum setback distance for domestic water supply wells to underground storage tanks, fuel dispensers, or fuel pipelines is specifically defined within any regulation or statute adopted under the California Safe Drinking Water Act, enforced by the Division of Drinking Water (DDW)". Please see Marco Pacheco's email below. Please let us know if the Alameda County has a setback requirement for the fuel dispensers from a water well.

Muthana Ibrahim
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From: Pacheco, Marco@Waterboards <Marco.Pacheco@waterboards.ca.gov>
Sent: Monday, March 26, 2018 4:08 PM
To: Muthana Ibrahim <muthana@miarchitect.com>
Cc: 'Jadi' <jadisingsh98@gmail.com>; D.M. Livermore <dmbasmatirice@yahoo.com>; 'Malone Jody' <jody@miarchitect.com>
Subject: RE: 10 S. Grand Line Road - Chevron

Hi Muthana,

Yes, that is correct. No minimum setback distance for domestic water supply wells to underground storage tanks, fuel dispensers, or fuel pipelines is specifically defined within any regulation or statute adopted under the California Safe Drinking Water Act, enforced by the Division of Drinking Water (DDW).

DDW is aware that the owner and its consultant are attempting to provide the greatest setback distance possible considering the site area constraints. DDW is confident that with the site meeting applicable regulations for underground fuel containment and approval from CUPA, that the domestic water supply well will be adequately protected at the proposed location.

In regards to water supply permit application requirements:

California Health and Safety Code §116275 defines public water systems as follows.

(h) "Public water system" means a system for the provision of water for human consumption through pipes or other constructed conveyances that has 15 or more service connections or regularly serves at least 25 individuals daily at least 60 days out of the year. A public water system includes the following:

(1) Any collection, treatment, storage, and distribution facilities under control of the operator of the system that are used primarily in connection with the system.

(2) Any collection or pretreatment storage facilities not under the control of the operator that are used primarily in connection with the system.

(3) Any water system that treats water on behalf of one or more public water systems for the purpose of rendering it safe for human consumption.

(i) "Community water system" means a public water system that serves at least 15 service connections used by yearlong residents or regularly serves at least 25 yearlong residents of the area served by the system.

(k) "Nontransient noncommunity water system" means a public water system that is not a community water system and that regularly serves at least 25 of the same persons over six months per year.

(o) "Transient noncommunity water system" means a noncommunity water system that does not regularly serve at least 25 of the same persons over six months per year.

The requirements of the Safe Drinking Water Act (SDWA) apply to anyone operating a public water system whether or not DDW has issued a permit. Please consider the above definition carefully.

Preliminary Technical Report

Before a person submits an application for a permit for a proposed new public water system, the person shall first submit a preliminary technical report to the state board at least six months before initiating construction of any water-related improvement, in accordance with *California Health and Safety Code §116527 (signed into law as SB 1263)*. The preliminary technical report includes a discussion of consolidation feasibility with any public water system within a three mile radius.

Information regarding the preliminary technical report and subsequent domestic water supply application material can be found on our website at: https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/Permits.shtml

Permit Requirements

Anyone who wants to operate a public water system must apply for and obtain a permit from DDW (*California Health and Safety Code §116525*). In order to send you a public water system permit, we must receive the following information and documents:

- The preliminary technical report (described above, at least six months prior to construction)
- Permit application
- A technical report that provides the information listed in *Health and Safety Code §116530* and *22 CCR §64552*. The technical report must be prepared by a professional civil engineer registered in the State of California with experience in water supply engineering. The necessary information includes:
 - Physical descriptions of facilities and distribution system
 - A map of the water service area and facilities
 - Plans and specification for facilities and a well completion report for existing wells
 - Schematic drawing or map showing facilities, water mains, and valves (*22 CCR §64604*)
 - Data on well production yield and water demand, if available.
 - A [source assessment](#) for existing wells.
- An emergency notification plan (*Health and Safety Code §116460*)
- Documents for technical, managerial, and financial capacity assessment (*California Health and Safety Code §116540*)
 - More information below
- If you are planning any water-related construction, California Environmental Quality Act documents (*California Public Resources Code §21000-21177* and *14 CCR §15000-15387*)
 - More information below

There is no application fee. Note that if any of the above is not immediately available, please begin sending what you have. That will help us move quickly. We can issue a permit without receiving the source assessment, and require it later.

Technical, Managerial, and Financial Capacity Assessment

In order to issue a water supply permit, we must verify that an applicant will have adequate technical, managerial, and financial capacity (TMF) to operate the water system in compliance with water quality standards. This gives us the opportunity to prohibit an organization from operating a public water system if it is clear that the organization will not be able to handle the requirements. The applicant must “demonstrate to the state board that the water supplier possesses adequate financial, managerial, and technical capability to ensure the delivery of pure, wholesome, and potable drinking water.” Assessing TMF capacity is our responsibility. Our [Division of Financial Assistance TMF website](#) includes descriptions of this assessment and forms to assist water systems in demonstrating TMF capacity. The forms on the TMF website are there to assist you in gathering the information we may review to assess your TMF capacity. You are not *required* to complete the forms.

California Environmental Quality Act and Preliminary Technical Report

If there is a project (e.g., any construction) associated with the permit, we must comply with the California Environmental Quality Act (CEQA) when issuing a water supply permit. Other agencies that approve a project, such as the county, must document CEQA compliance as well. So, we will need to coordinate with other agencies in reviewing CEQA documents. We have an Environmental Review Unit (ERU) that is responsible for determining CEQA compliance and filing documents with the State Clearinghouse. We will need to meet or hold a conference call in order to coordinate with ERU to determine what CEQA documentation is necessary. In general this could be a description of the project to document exemption, an initial study and negative declaration, or an environmental impact report. If there’s no project associated with the water supply permit, then we may not need any CEQA documents.

Ongoing Operations Requirements

There are ongoing operational requirements for public water systems that you should be aware of. I can provide additional detail on these if you have any questions.

- Record water production from flowmeter readings at least monthly (22 CCR §64561).
- Annual operating fee – see table in 22 CCR §64305. \$800 per year for a TNC water system.
- Develop a monitoring plan for the Total Coliform Rule (22 CCR §64422).
- If operating chlorination, assign a certified distribution or treatment operator to make decisions about operating the chlorination system (22 CCR §63770).
- Develop and maintain a cross-connection control program (17 CCR §7584).
- Complete a report of operational information for DDW annually at DRINC.ca.gov.
- Maintain system maps and schematics, and as-built drawings of facilities (22 CCR §64604).
- On-going water quality monitoring requirements based on population served (Title 22, Ch. 15-17.5)

If you have any questions or concerns, please feel free to contact me.

Marco Pacheco, P.E.

Senior Water Resource Control Engineer
San Francisco District
Division of Drinking Water
State Water Resources Control Board
850 Marina Bay Parkway, Bldg. P-2nd Fl.
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From: Muthana Ibrahim <muthana@miarchitect.com>
Sent: Monday, March 26, 2018 3:01 PM
To: Pacheco, Marco@Waterboards <Marco.Pacheco@waterboards.ca.gov>
Cc: 'Jadi' <jadisinh98@gmail.com>; D.M. Livermore <dmbasmatirice@yahoo.com>; 'Malone Jody' <jody@miarchitect.com>
Subject: RE: 10 S. Grand Line Road - Chevron

Hi Marco,

Thank you for your email below and the phone discussion this afternoon. As discussed the proposed Chevron gas station is a new project. The owner of the property is intended to construct a new gas station on the above referenced site. The gas station project will include a new fuel system that complies with the current regulations. The new fuel system (tanks piping & sumps) are all double wall system. The fuel system have a secondary containment that includes vacuum monitoring system for the fuel product, vent and vapor piping. A hydrostatic monitoring system for the under dispenser fuel sumps, UST sumps and the double wall underground storage tanks (UST). The fuel system will be reviewed and approved by the local jurisdiction include CUPA before installation. With that in mind you indicated to me that you jurisdiction does not have minimum distance requirement from the fuel dispenser or to the UST from the water well. Please confirm that so we can work with the Alameda County Environmental health based on the information provided. Also I understand that prior to the use of the water well for the project, the property owner needs to apply, to your agency, for a water supply permit. Please provide us with the information for applying for the water supply permit. Please feel free to call if you have any questions.

Muthana Ibrahim
Architect, AIA, President

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From: Pacheco, Marco@Waterboards <Marco.Pacheco@waterboards.ca.gov>
Sent: Monday, March 26, 2018 12:49 PM
To: Jody Malone <jody@miarchitect.com>
Cc: 'Khan, Muhammed, Env. Health' <muhammed.khan@acgov.org>; 'Muthana Ibrahim' <muthana@miarchitect.com>; 'Roe, Dilan, Env. Health' <Dilan.Roe@acgov.org>; 'Detterman, Mark, Env. Health' <Mark.Detterman@acgov.org>; 'Jadi' <jadisinh98@gmail.com>; 'Greta Dietz' <gwdapples@msn.com>; 'D.M. Livermore' <dmbasmatirice@yahoo.com>
Subject: RE: 10 S. Grand Line Road - Chevron

Hi Jody,

Thanks for your call today.

There are no specific setback distances to USTs, fuel dispensers, or underground fuel piping contained within the California Drinking Water Statutes and Regulations. I am not sure if the 150 feet you have referred to for USTs is a specific county requirement? Regulations for secondary containment and leak detection requirements do exist within Title 23 of the California Code of Regulations (enforced by the SWRCBs Division of Water Quality), and the setback trigger for these additional requirements for USTs and piping are within 1,000 feet of a water well. If adequate leak protection and detection protocols exist, then DDW can consider there to be a lowered susceptibility and increased protection for any drinking water well in the immediate proximity of the gas station facilities. If additional protection measures for the construction of the well are proposed (i.e. increasing the depth of the annular seal, pumping water from confined aquifers at greater depths rather than the upper confinements where influence from possible contamination could occur), then the Division of Drinking Water will also be more likely to consider long-term monitoring reduction for those Title 22 regulated volatile organic compounds associated with the fuel stored on site.

I can only recommend that you strictly adhere to Title 23 regulations. What type of secondary containment is being proposed for these USTs, fuel dispensers, and underground piping? I would feel more comfortable about the proposed well site if I knew more about the containment and/or leak detection measures being proposed for this site.

Thank you,

Marco Pacheco, P.E.
Senior Water Resource Control Engineer
San Francisco District
Division of Drinking Water
State Water Resources Control Board
850 Marina Bay Parkway, Bldg. P-2nd Fl.
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From: Jody Malone <jody@miarchitect.com>
Sent: Monday, March 26, 2018 10:42 AM
To: Pacheco, Marco@Waterboards <Marco.Pacheco@waterboards.ca.gov>
Cc: 'Khan, Muhammed, Env. Health' <muhammed.khan@acgov.org>; 'Muthana Ibrahim' <muthana@miarchitect.com>; 'Roe, Dilan, Env. Health' <Dilan.Roe@acgov.org>; 'Detterman, Mark, Env. Health' <Mark.Detterman@acgov.org>; 'Jadi' <jadisinhg98@gmail.com>; 'Greta Dietz' <gwdapples@msn.com>; 'D.M. Livermore' <dmbasmatirice@yahoo.com>
Subject: 10 S. Grand Line Road - Chevron
Importance: High

Marco,

I appreciate you taking a few minutes this morning to discuss the proposed gas station facility @ the above referenced location.

We are working with Alameda County on developing this project and requestTh your assistance on determining the minimum distances required from a new water well to:

- Underground Storage Tanks: Our understanding is the minimum distance is 150 feet. (see attached .pdf file, 150 feet distance from the water well has been noted)
- Minimum distance from the water well to fuel dispenser(s)?
- Minimum distance from the water well to underground fuel system piping?

We would like to receive the minimum distances required for the bullet items listed above ASAP so we can continue developing the proposed site plan.

Your timely response is greatly appreciated.

Please email me back ASAP.

Thanks!

Jody Malone
Senior Designer

MI Architects, Inc.

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From: Khan, Muhammed, Env. Health <muhammed.khan@acgov.org>
Sent: Monday, March 26, 2018 9:33 AM
To: Muthana Ibrahim <muthana@miarchitect.com>; Roe, Dilan, Env. Health <Dilan.Roe@acgov.org>; Detterman, Mark, Env. Health <Mark.Detterman@acgov.org>
Cc: 'Jadi' <jadisingsh98@gmail.com>; 'Greta Dietz' <gwdapples@msn.com>; D.M. Livermore <dmbasmatirice@yahoo.com>; 'Malone Jody' <jody@miarchitect.com>
Subject: RE: 10 S. Grand Line Road - Chevron

Good morning Muthana,

Please see below for the contact information of the person at the State for the Public Water Supply Well Permit:

Marco Pacheco, P.E.
Senior Water Resource Control Engineer
San Francisco District
Division of Drinking Water
State Water Resources Control Board

850 Marina Bay Parkway, Bldg. P-2nd Fl.
Richmond, CA 94804

Phone: (510) 620-3454
Fax: (510) 620-3455
E-mail: marco.pacheco@waterboards.ca.gov

Also attached below is a link for the technical manual which may be used to develop the plans for the Onsite Wastewater Containment Unit:

http://www.acgov.org/aceh/landuse/documents/Technical_Manual_Revised_2017-03-30.pdf

Sincerely,

Muhammed Khan, Senior R.E.H.S, M.P.A

OWTS Technical Compliance Coordinator
Alameda County Department of Environmental Health
Land Use Program
1131 HARBOR BAY PKWY
ALAMEDA CA 94502
(510)639-1287

From: Muthana Ibrahim [<mailto:muthana@miarchitect.com>]
Sent: Monday, March 26, 2018 9:24 AM
To: Khan, Muhammed, Env. Health <muhammed.khan@acgov.org>; Roe, Dilan, Env. Health <Dilan.Roe@acgov.org>;
Detterman, Mark, Env. Health <Mark.Detterman@acgov.org>
Cc: 'Jadi' <jadisingh98@gmail.com>; 'Greta Dietz' <gwdapples@msn.com>; D.M. Livermore
<dmbasmatirice@yahoo.com>; 'Malone Jody' <jody@miarchitect.com>
Subject: 10 S. Grand Line Road - Chevron

Muhammad,

Please send the State contact information for the water well requirement. We need to verify the distance required to the fuel dispensers as requested by Dilan. Please expedite. Thank you.

Muthana Ibrahim
Architect, AIA, President

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