

APPENDIX H – FIRE DISTRICT COMMENTS

Contra Costa County**Fire Protection District**

August 29, 2013

Ms. Leigha Schmidt
City of Pittsburg - Planning Division
Civic Center – 65 Civic Avenue
Pittsburg, CA 94565

Subject: Mt. Diablo Resource Recovery Park
1300 Loveridge Road, Pittsburg
CCCFPD Project No.: P-C05-10-0604

Dear Ms. Schmidt:

We have reviewed the use permit and design review application to establish a new commercial recycling and organic processing operation for residential and commercial food wastes; establish a rail haul option for waste transportation purposes; and construct a biomass gasification unit to process clean wood waste into energy for on-site use at the subject location. The following is required for Fire District approval in accordance with the 2007 California Fire Code (CFC), adopted ordinances and approved standards:

1. Three (3) sets of **fire sprinkler plans**, for the new commercial recycling sort line and the new food waste sort line, shall be submitted to this office for review and approval prior to installation. (903.2) CFC
2. Three (3) sets of **biomass gasification unit plans and specifications** shall be submitted to this office for review and approval prior to installation to ensure compliance with minimum requirements related to fire and life safety.
3. Three (3) sets of **photo voltaic plans and specifications** shall be submitted to this office for review and approval prior to installation to ensure compliance with minimum requirements related to fire and life safety. (105.7.21) County Ordinance 2010-15, (105.4) CFC
4. The owner/applicant shall submit three (3) copies of **site improvement plans** indicating fire apparatus access and hydrant locations for review and approval prior to construction. (501.3) CFC
5. Piles shall be separated from adjacent piles or other exposures by approved fire apparatus access roads with a minimum unobstructed width of 20 feet. A minimum outside turning radius of 45 feet shall be maintained. (1908.4) CFC, (503.2.1) CFC
6. The green waste, wood waste, and wood chip piles shall not exceed 25 feet in height, 150 feet in width and 250 feet in length. (1908.3) CFC

7. Approved material-handling equipment shall be readily available for moving wood chips and hogged material, wood fines and raw product during fire-fighting operations. (1908.9) CFC
8. The owner or operator shall develop a plan for monitoring, controlling, and extinguishing spot fires. The plan shall be submitted to the Fire District for review and approval. (1908.10) CFC
9. Static piles shall be monitored by an approved means to measure temperatures within the static piles. Internal pile temperatures shall be monitored and recorded weekly. Records shall be kept on file at the facility and made available for inspection. An operational plan indicating procedures and schedules for the inspection, monitoring, and restricting of excessive internal temperatures in static piles shall be submitted to the fire code official for review and approval. (1908.6) CFC
10. Portable fire extinguishers with a minimum rating of 4A:60B:C shall be provided on all vehicles and equipment operating on piles and at all processing equipment. (1908.8) CFC

Our preliminary review comments shall not be construed to encompass the complete project. Additional plans and specifications may be required after further review.

Please provide this office with a copy of the conditions of approval as set forth by your Planning Division.

If you have any questions regarding this matter, please contact this office at (925) 941-3300.

Sincerely,



Ted Leach
Fire Inspector

c: Contra Costa Waste Services
1300 Loveridge Road
Pittsburg, CA 94565

File: P-C05-10-0604.ltr



October 30, 2014

Ms. Leigha Schmidt
City of Pittsburg Planning Department
65 Civic Ave.
Pittsburg, CA 94565

Subject: Mt Diablo Resource Recovery Park
SEG Trucking Facility
1600 Loveridge Rd., Pittsburg
CCCFPD Project No.: P-2014-06970 PLN

Dear Ms. Schmidt:

We have reviewed the design review application to construct a new 18,000 square foot truck maintenance building at the subject location. The following is required for Fire District approval in accordance with the 2013 California Fire Code (CFC), the 2013 California Building Code (CBC), and Local and County Ordinances and adopted standards:

1. Access as shown on Sheet A1 appears to comply with the following Fire District requirements:

Provide emergency apparatus access roadways with all-weather (paved) driving surfaces of not less than 20 feet unobstructed width, and not less than 13 feet 6 inches of vertical clearance, to within 150 feet of travel distance to all portions of the exterior walls of every building. Access shall have a minimum outside turning radius of 45 feet, and must be capable of supporting the imposed fire apparatus loading of 37 tons. (503) CFC

2. Access roadways of **less than 28-feet** unobstructed width shall have signs posted or curbs painted red with the words **NO PARKING – FIRE LANE** clearly marked. (22500.1) CVC, (503.3) CFC

Access roadways of **28 feet or greater, but less than 36-feet** unobstructed width shall have **NO PARKING – FIRE LANE** signs posted, allowing for parking on one side only or curbs painted red with the words **NO PARKING – FIRE LANE** clearly marked. *Parking is permitted only on the side of the road that does not have hydrants.* (22500.1) CVC, (503.3) CFC

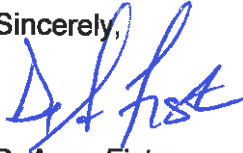
3. Access gate for Fire District apparatus shall be a minimum of 20-foot wide. Access gates shall slide horizontally or swing inward and shall be located a minimum of 30 feet from the street. Manually operated gates shall be equipped with a Knox Company padlock. Contact the Katy Seib at the Fire District, 925-941-3671, for information on ordering Knox Company products. (D103.5) CFC.

4. The developer shall provide an adequate and reliable water supply for fire protection with a minimum fire flow of 1500 GPM. Required flow must be delivered from not more than one (1) hydrant flowing for a duration of 180 minutes while maintaining 20-pounds residual pressure in the main. (507.1), (B105) CFC
5. The developer shall provide one (1) hydrant of the East Bay type. (C103.1) CFC
6. The developer shall submit two (2) copies of site improvement plans indicating all existing or proposed hydrant locations and fire apparatus access for review and approval prior to obtaining a building permit. **Final placement of hydrants shall be determined by this office.** (501.3) CFC
7. **Paved emergency apparatus access to within 150 feet of all portions of the exterior walls of the building and hydrant shall be installed, in service, and inspected by the Fire District prior to construction or combustible storage on site.** (501.4) CFC
8. The building as proposed shall be protected with an approved automatic fire sprinkler system complying with the 2013 edition of NFPA 13. Submit two (2) sets of plans to this office for review and approval prior to installation. (903.2) CFC, Contra Costa County Ordinance 2013-22
9. The developer shall provide traffic signal pre-emption systems (Opticom) on any new or modified traffic signals installed with this development. (21351) CVC
10. Flammable or combustible liquid storage tanks shall **not** be located on the site without obtaining approval and necessary permits from the Fire District. (3401.4) CFC
11. The developer shall submit two (2) complete sets of plans and specifications of the subject project, including plans for any of the following required deferred submittals, to the Fire District for review and approval **prior to** construction to ensure compliance with minimum requirements related to fire and life safety. Plan review and inspection fees shall be submitted at the time of plan review submittal. (105.4.1) CFC, (901.2) CFC, (107) CBC
 - Building construction plans
 - Private underground fire service water mains
 - Fire sprinklers
 - Fire alarm
 - High-pile storage
 - Aboveground/underground flammable/combustible liquid storage tanks (i.e. the relocated fuel island)

Our preliminary review comments shall not be construed to encompass the complete project. Additional plans and specifications may be required after further review.

If you have any questions regarding this matter, please contact this office at (925) 941-3300.

Sincerely,



DeAnna Fister
Fire Inspector

c: Roger Wilson Architect
1601 N Main St., Suite 108
Walnut Creek, CA 94596

