ATTACHMENT 2

Variance Order 2021-12-R Monthly Updates

December 7, 2022

Santa Barbara County Air Pollution Control District
Hearing Board

260 San Antonio Road, Suite A
Santa Barbara, California 93110

MUSTANG
RENEWABLE POWER
VENTURES

17 Corporate Plaza Drive, Suite 200
Newport Beach, CA 92660
O: 805.259.9499

January 15, 2022

Aimee Long
Air Quality Specialist
Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110

Permit: ATC 14500 02
H.B. Case No. 2021-12-R

RE: MSB Investors, LLC
ReSource Center (formerly Tajiguas Resource Recovery Project)
Variance Update Due to Alisal Fire Impact

Aimee:

In response to the Variance granted by the Hearing Board on December 1, 2021 in connection with H.B. Case No. 2021-12-R we offer the following report:

Our general contractor, Diani Building Corp., Santa Maria, CA, has completed a detailed of the damages to our Resource Center facilities located at the County owned Tajiguas Landfill. They are in the process of completing an estimate for the repairs and potential replacement of the damaged MRF biofilter facilities. Our air quality consultant, AECOM is in the process of responding to the District engineers request for additional AQ/HRA analysis related to the MRF biofilter facilities. Until the damage repair/replacement estimate is completed by Diani and the additional AQ/HRA work is completed by AECOM, we are not yet in a position to provide the estimated dates for repair and replacement. Our goal of course is to have the damaged equipment repaired or replaced with alternative air emission control systems acceptable to the District's engineering staff on or prior to the expiration of this Variance.

As stated in our petition for the Variance, we took preventative measures once the scrubbers became non-operational such as additional building ventilation and indoor air monitoring on a weekly basis. The indoor air monitoring revealed indoor air measurements of H2S and NH3 of approximately 2-5% of the MRF biofilter emission limits. The indoor air levels of H2S and NH3 were and continue to be extremely low due to the speed at which organic waste is processed through the building to loadout trucks for transfer to the ADF for further processing in-vessel.

Attached please find a schedule, Appendix A – MRF Indoor Air Sampling, showing the indoor air measurements of H2S, NH3, PM 2.5 and PM 10 taken at 13 locations inside the MRF building depicted on Appendix B – MRF Building Plan over the period from October 29, 2021 through January 14, 2022.

Please let me know if you have any questions on the above or the attached.

Sincerely,

MSB Investors, LLC

John Dewey
CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational Biofilters and Baghouses

Point	Location Description	Friday (10/29) H2S (ppmv)	Friday (11/5) H2S (ppmv)	Friday (11/12) H2S (ppmv)	Friday (11/19) H2S (ppmv)	Friday (11/26) H2S (ppmv)	Friday (12/3) H2S (ppmv)	Friday (12/11) H2S (ppmv)	Friday (12/17) H2S (ppmv)	Thursday (12/23) H2S (ppmv)	Thursday (12/30) H2S (ppmv)	Friday (1/7/22) H2S (ppmv)	Friday (1/14/22) H2S (ppmv)	10/29 - 1/14 Avg. H2S (ppmv)
1	East Corner of Tip Floor Rollup Door	0.009	0.002	0.006	0.004	0.006	0.002	0.009	0.010	0.003	0.007	0.005	0.003	0.006
2	Near Residual Pile on Tip Floor	0.006	0.009	0.009	0.004	0.008	0.006	0.024	0.016	0.008	0.008	0.003	0.003	0.009
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip F	0.004	0.003	0.009	0.004	0.005	0.006	0.009	0.017	0.007	0.004	0.003	0.004	0.006
4	Between C1450 and C520	0.006	0.004	0.011	0.005	0.006	0.005	0.013	0.008	0.003	0.006	0.003	0.005	0.006
5	Near C740	0.006	0.006	0.002	0.002	0.004	0.002	0.002	0.002	0.004	0.005	0.003	0.003	0.003
6	Near MRF Floor Sump	0.008	0.004	0.007	0.002	0.007	0.005	0.003	0.013	0.002	0.008	0.004	0.003	0.006
7	Between C500 and Eyewash, In Front of Control Room	0.006	0.005	0.009	0.003	0.004	0.004	0.006	0.013	0.005	0.004	0.004	0.004	0.006
8	Between T930 and C980	0.004	0.004	0.007	0.002	0.006	0.004	0.006	0.010	0.006	0.006	0.007	0.004	0.006
9	Between T920 and T930	0.006	0.003	0.003	0.004	0.007	0.005	0.005	0.011	0.006	0.006	0.003	0.003	0.005
10	Between T180 and T120	0.008	0.003	0.003	0.003	0.002	0.002	0.005	0.012	0.003	0.003	0.004	0.003	0.004
11	Between M140 and D101	0.006	0.003	0.006	0.003	0.003	0.003	0.006	0.010	0.003	0.003	0.003	0.002	0.004
12	Between Trommels	0.004	0.004	0.008	0.004	0.004	0.004	0.006	0.014	0.005	0.004	0.001	0.003	0.005
13	Between AWS 550s	0.006	0.003	0.008	0.003	0.002	0.003	0.009	0.099	0.004	0.002	0.002	0.003	0.012

Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	East Corner of Tip Floor Rollup Door	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	Near Residual Pile on Tip Floor	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.042
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip F	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	Between C1450 and C520	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042
5	Near C740	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.042
6	Near MRF Floor Sump	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	Between C500 and Eyewash, In Front of Control Room	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.125
8	Between T930 and C980	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.042
9	Between T920 and T930	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	Between T180 and T120	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042
11	Between M140 and D101	0.500	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.125
12	Between Trommels	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	Between AWS 550s	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	East Corner of Tip Floor Rollup Door	25.5	23.0	21.6	12.7	9.9	12.6	19.1	9.1	8.9	16.6	11.0	13	15.3
2	Near Residual Pile on Tip Floor	14.1	38.4	30.8	12.3	26.8	15.7	55.4	34.0	24.8	40.5	10.5	12.5	26.3
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip F	15.7	27.1	25.8	12.4	27.7	21.3	18.4	24.2	24.7	42.2	8.5	9.9	21.5
4	Between C1450 and C520	17.7	33.2	27.3	11.7	13.7	15.8	28.6	57.9	16.7	50.2	9.5	10.3	24.4
5	Near C740	27.7	33.9	32.5	15.5	36.2	22.7	35.2	35.2	34.5	49.9	46.4	14.5	32.0
6	Near MRF Floor Sump	12.5	22.7	44.1	11.1	10.3	14.5	8.7	37.1	9.3	17	9.1	11.1	17.3
7	Between C500 and Eyewash, In Front of Control Room	22.2	67.1	29.9	20.3	23.3	36.2	33.8	27.9	41	43.1	29.3	13.9	32.3
8	Between T930 and C980	25.2	42.4	40.0	17.7	38.5	28.4	22.3	31.3	38.5	48.9	29.8	15.4	31.5
9	Between T920 and T930	22.7	51.9	35.3	19.3	29.8	31.5	28.7	26.6	30.6	48.8	7.3	16.4	29.1
10	Between T180 and T120	42.2	22.6	42.5	29.1	73.6	53.4	43.5	51.4	74.3	72.8	16.2	25.5	45.6
11	Between M140 and D101	33.8	65.5	51.5	23.4	51.4	48.3	43.2	49.0	72.4	81.4	95.7	23.6	53.3
12	Between Trommels	24.3	77.8	63.8	33.6	46.8	61.2	28.6	52.1	61.8	67.2	14.3	22.3	46.2
13	Between AWS 550s	36.5	43.0	77.5	22.2	38.9	43.9	37.5	73.4	47.9	36.9	54.0	20.3	44.3

Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	East Corner of Tip Floor Rollup Door	39.3	36.9	34.4	19.1	20.1	26.5	28.4	14.0	14.1	26.22	14.3	21.1	24.5
2	Near Residual Pile on Tip Floor	31.0	62.7	50.8	18.9	44.4	52.4	90.5	59.9	43.8	65.2	15.5	24.3	46.6
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip F	23.1	45.1	40.6	17.2	35.2	38.7	27.5	38.6	39.1	65.8	13.2	19.1	33.6
4	Between C1450 and C520	28.4	52.1	43.3	21.2	27.7	34.6	43.6	90.3	23.9	78.4	15.2	34.7	41.1
5	Near C740	44.5	51.8	51.1	23.4	50.8	48.1	56.1	56.1	53.8	77.7	79.3	33.5	52.2
6	Near MRF Floor Sump	18.4	34.4	67.7	17.3	35.2	41.2	12.6	58.6	34.7	24.7	13.6	21.1	31.6
7	Between C500 and Eyewash, In Front of Control Room	34.8	108.1	49.8	31.3	34.1	44.6	52.4	46.1	66	69.2	44.9	32.2	51.1
8	Between T930 and C980	39.3	65.8	62.8	36.9	47.1	53.5	37.3	49.2	62	75.4	47.2	24.7	50.1
9	Between T920 and T930	36.3	65.0	52.2	27.6	41.6	37.3	44.7	43.1	49.7	75.2	9.9	26.8	42.5
10	Between T180 and T120	69.1	39.0	65.2	38.9	64.2	53.4	69.5	84.7	117.5	119.4	24.3	43.4	65.7
11	Between M140 and D101	53.6	101.5	81.3	37.3	67.6	45.3	67.1	78.1	121.6	130.6	84.4	34.6	75.3
12	Between Trommels	39.3	127.7	104.3	47.7	63.5	58.4	44.5	84.1	96.5	106.8	22.5	45.3	70.1
13	Between AWS 550s	59.9	69.5	122.4	26.9	59.6	35.4	60.2	101.5	76.2	56.7	82.4	25.3	64.7

All of the rollup doors were open
The MRF abstraction fans were off/on
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements
Temptop M2000 AQ Meter for PM2.5, PM10, and CO2 used for PM measurements

APPENDIX B - MRF BUILDING PLAN

BUILDING AREA TABULATION

			OCCUPANCY	NON OCCUPIED	OFFICES (B)	FACTORY (F-1)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F & S OCCUPANTS
MRF											
LEVEL 1											
	001	ENTRY LOBBY	B		100			100	1	1.0	
	002	INTERIOR STAIR	B		484			100	4.8	4.8	
	003	Not Used									
	004	MAIN EQUIP ROOM	S				600	300	6.0		6.0
		ELEVATOR	S				72	300	0.24	0.24	
	005	SORTING	F1			39,216		500	78.4		78.4
	006	TIP	S1			27,456		500	55.0		55.0
	C1	COMPRESSOR	F1			714		500	1.4		1.4
	E1	ELECTRICAL	S1				1,512	500	3.0		3.0
				0	588	66,746	2,184		148.2	6.7	139.5
LEVEL 1 TOTAL							68,930				
MEZZANINE 1											
	100	INTERIOR STAIR	B		110			100	1.1	1.1	
		ELEVATOR SHAFT		0.5							
	101	Not Used									
	102	STAIR LOBBY	B		110			100	1.1	1.1	
	103	ELEVATOR	B		6			100	0.1	0.1	
	104	LOBBY	B		360			100	3.6	3.6	
	105	MULTI-PURPOSE	B		2,142			15	142.8	142.8	
	106	STORAGE 3	S		60			600	0.1		0.1
	107	MW 1	B		60			100	0.6	0.6	
	108	MW 2	B		72			100	0.7	0.7	
	109	CONFERENCE	B		230			100	2.3	2.3	
	110	OFFICE 1	B		110			100	1.1	1.1	
	111	OFFICE 2	B		110			100	1.1	1.1	
	112	OFFICE 3	B		110			100	1.1	1.1	
	113	OFFICE 4	B		110			100	1.1	1.1	
	114	LOCKER	S		170			300	0.6		0.6
	115	SHOWER	B		170			100	1.7	1.7	
	116	MW 3	B		60			300	0.2		0.2
	117	BREAK	B		210			100	2.1	2.1	
	118	STORAGE 2	S		150			300	0.5		0.5
	119	HALL 1	B		300			100	3.0	3.0	
	120	HALL 2	B		320			100	3.2	3.2	
	121	HALL 3	B		110			100	1.1	1.1	
	122	STORAGE 3	S		110			300	0.4		0.4
				0.5	4,200	0	0		144.2	138.7	5.5
MEZZANINE 1 TOTAL							4,310				
MEZZANINE 2											
	200	INTERIOR STAIR	B		120			100	1.2	1.2	
	201	Not Used									
	202	STAIR LOBBY	B		210			100	2.1	2.1	
	203	JAN	B		60			300	0.2	0.2	
		ELEVATOR SHAFT		0.5							
	204	LOBBY	B		240			100	2.4	2.4	
	205	OPEN OFFICE	B		400			100	4.0	4.0	
	206	OFFICE 1	B		110			100	1.1	1.1	
	207	OFFICE 2	B		110			100	1.1	1.1	
	208	OFFICE 3	B		110			100	1.1	1.1	
	209	CONFERENCE	B		340			10	34.0	34.0	
	210	BREAK	B		640			100	6.4	6.4	
	211	WOMEN	B		730			100	7.3	7.3	
	212	MEN	B		730			100	7.3	7.3	
	213	STORAGE	S				110	300	0.4		0.4
	214	HALL	B		420			100	4.2	4.2	
				0.5	3,800	0	110		76.7	68.2	8.5
MEZZANINE 2 TOTAL							4,910				
BUILDING TOTAL				1.0	8,712	66,746	1,107		220.9	207.0	14.0
							76,127				

NOTE:

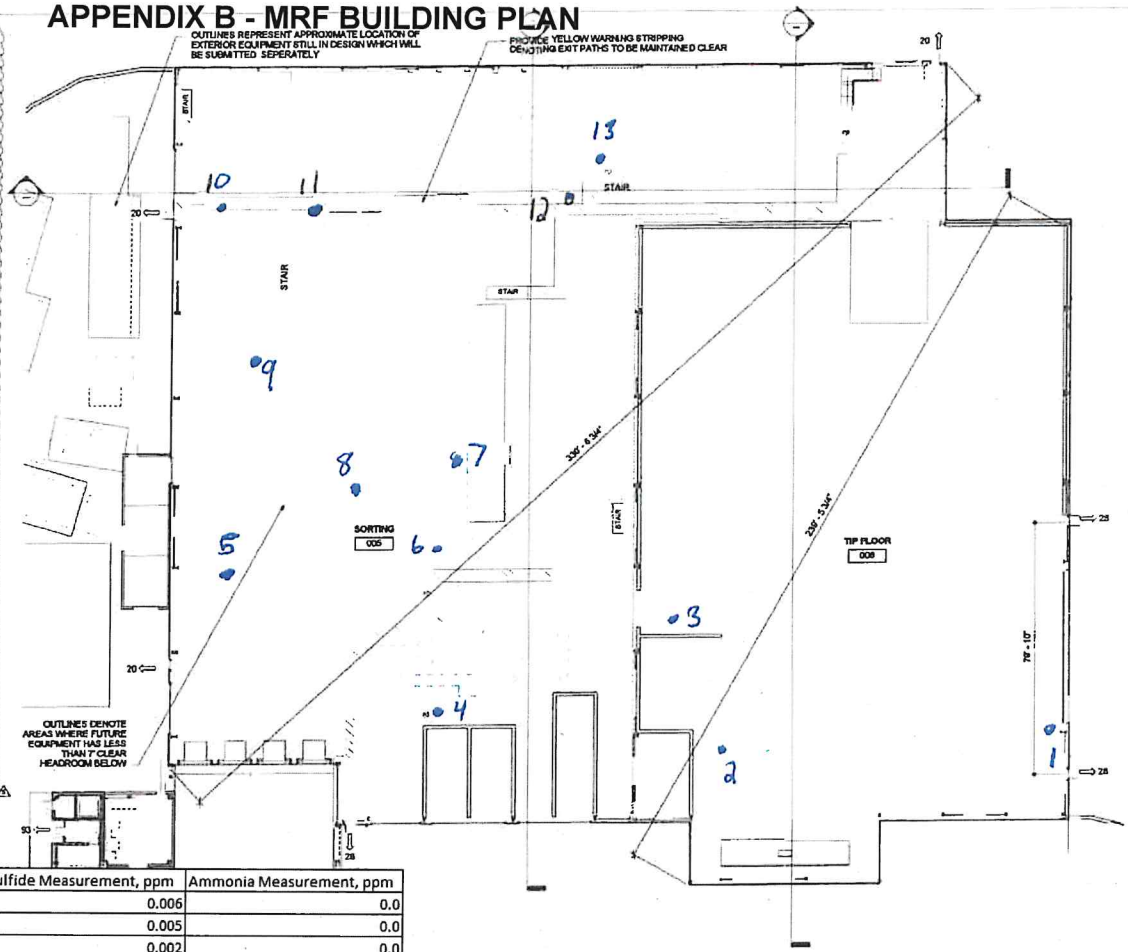
1. AREAS ARE GROSS SQUARE FEET. CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW

ALLOWABLE BUILDING AREA

PERIMETER AND OPEN SPACE INFORMATION (CBC 506)

NOTE: MRF FIT-UP



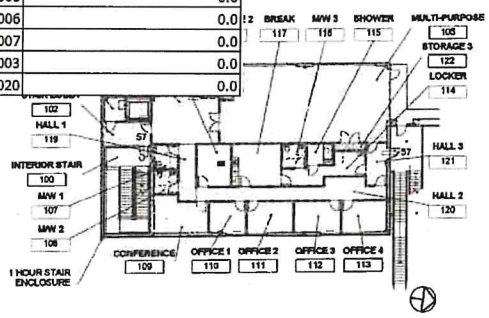
Sample Locations Are Approximate

Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

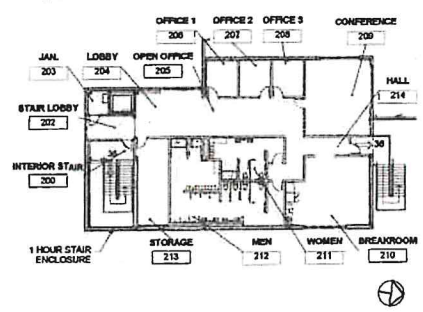
M Measurements taken around 10-11am on 4/21/2021
The facility was running MSW
Most of the rollup doors were open
The MRF abstraction fans were off
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements

	SERVICE SINKS	DRINKING FOUNTAINS
WOMEN		
150:1		1-100:1
150:1		
300:1		
	2	1 WATER COOLER

THE SORT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER WILL BE RUN OVERHEAD ON THE SORTING EQUIPMENT. AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.



2 MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



3 MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
383 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

CONSTRUCTION
DIANI COMPANIES
Santa Maria

351 NORTH BLOSSER ROAD
PO BOX 5787
SANTA MARIA, CA 93456 - 5787
(805) 925-9530
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MSB Investors, LLC
17 Corporate Plaza, Suite 200
Newport Beach, CA 92660

330 Adam Place
Arroyo Grande, CA 93420
(805) 473 - 2731
gmadjedi@gmaccnet@aol.com
GARY W. MADJEDI, ARCHITECT

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
6	Addenda PC 2	10/15/19	
5	Plan Check 2	8/13/19	

REVISIONS

STATUS REVIEW
DATE 6/6/19
PROJECT NO 180201

SHEET NAME
EXITING PLANS

G200

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CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational Biofilters and Baghouses

Point	Location Description	Friday (10/29) H2S (ppmv)	Friday (11/5) H2S (ppmv)	Friday (11/12) H2S (ppmv)	Friday (11/19) H2S (ppmv)	Friday (11/26) H2S (ppmv)	Friday (12/3) H2S (ppmv)	Friday (12/11) H2S (ppmv)	Friday (12/17) H2S (ppmv)	Thursday (12/23) H2S (ppmv)	Thursday (12/30) H2S (ppmv)	Friday (1/7/22) H2S (ppmv)	Friday (1/14/22) H2S (ppmv)	Friday (1/21/22) H2S (ppmv)	Friday (1/28/22) H2S (ppmv)	Friday (2/4/22) H2S (ppmv)	Friday (2/11/22) H2S (ppmv)	10/29 - 2/11 Avg. H2S (ppmv)
1	East Corner of Tip Floor Rollup Door	0.009	0.002	0.006	0.004	0.006	0.002	0.009	0.010	0.003	0.007	0.005	0.003	0.006	0.009	0.004	0.003	0.006
2	Near Residual Pile on Tip Floor	0.006	0.009	0.009	0.004	0.008	0.006	0.024	0.016	0.008	0.008	0.003	0.003	0.007	0.006	0.006	0.004	0.008
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.004	0.003	0.009	0.004	0.005	0.006	0.009	0.017	0.007	0.004	0.003	0.004	0.007	0.005	0.000	0.003	0.006
4	Between C1450 and C520	0.006	0.004	0.011	0.005	0.006	0.005	0.013	0.008	0.003	0.006	0.003	0.005	0.007	0.003	0.000	0.004	0.006
5	Near C740	0.006	0.006	0.002	0.002	0.004	0.002	0.002	0.002	0.004	0.005	0.003	0.003	0.003	0.006	0.003	0.005	0.004
6	Near MRF Floor Sump	0.008	0.004	0.007	0.002	0.007	0.005	0.003	0.013	0.002	0.008	0.004	0.003	0.004	0.004	0.003	0.003	0.005
7	Between C500 and Eyewash, In Front of Control Room	0.006	0.005	0.009	0.003	0.004	0.004	0.006	0.013	0.005	0.004	0.004	0.004	0.008	0.004	0.002	0.004	0.005
8	Between T930 and C980	0.004	0.004	0.007	0.002	0.006	0.004	0.006	0.010	0.006	0.006	0.007	0.004	0.006	0.004	0.000	0.004	0.005
9	Between T920 and T930	0.006	0.003	0.003	0.004	0.007	0.005	0.005	0.011	0.006	0.006	0.003	0.003	0.006	0.005	0.000	0.003	0.005
10	Between T180 and T120	0.008	0.003	0.003	0.003	0.002	0.002	0.005	0.012	0.003	0.003	0.004	0.003	0.001	0.005	0.001	0.004	0.004
11	Between M140 and D101	0.006	0.003	0.006	0.003	0.003	0.003	0.006	0.010	0.003	0.003	0.003	0.002	0.002	0.006	0.000	0.006	0.004
12	Between Trommels	0.004	0.004	0.008	0.004	0.004	0.004	0.006	0.014	0.005	0.004	0.001	0.003	0.004	0.004	0.001	0.006	0.005
13	Between AWS 550s	0.006	0.003	0.008	0.003	0.002	0.003	0.009	0.099	0.004	0.002	0.002	0.003	0.004	0.004	0.001	0.004	0.010

Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	East Corner of Tip Floor Rollup Door	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.031
2	Near Residual Pile on Tip Floor	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.063
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.031
4	Between C1450 and C520	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.063
5	Near C740	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.063
6	Near MRF Floor Sump	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.031
7	Between C500 and Eyewash, In Front of Control Room	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.125
8	Between T930 and C980	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.063
9	Between T920 and T930	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.063
10	Between T180 and T120	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.063
11	Between M140 and D101	0.500	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.156
12	Between Trommels	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.063
13	Between AWS 550s	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.063

Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	East Corner of Tip Floor Rollup Door	25.5	23.0	21.6	12.7	9.9	12.6	19.1	9.1	8.9	16.6	11.0	13	13	11.5	15.4	10.9	14.6
2	Near Residual Pile on Tip Floor	14.1	38.4	30.8	12.3	26.8	15.7	55.4	34.0	24.8	40.5	10.5	12.5	22.6	13.7	25.2	11.8	24.3
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	15.7	27.1	25.8	12.4	27.7	21.3	18.4	24.2	24.7	42.2	8.5	9.9	27.3	9.8	6.4	11.4	19.6
4	Between C1450 and C520	17.7	33.2	27.3	11.7	13.7	15.8	28.6	57.9	16.7	50.2	9.5	10.3	12.5	12.7	6.3	13.3	21.1
5	Near C740	27.7	33.9	32.5	15.5	36.2	22.7	35.2	35.2	34.5	49.9	46.4	14.5	42.3	11.8	13.3	17.8	29.3
6	Near MRF Floor Sump	12.5	22.7	44.1	11.1	10.3	14.5	8.7	37.1	9.3	17	9.1	11.1	19.9	9.2	4.7	10.0	15.7
7	Between C500 and Eyewash, In Front of Control Room	22.2	67.1	29.9	20.3	23.3	36.2	33.8	27.9	41	43.1	29.3	13.9	19.2	20.1	8.2	17.0	28.3
8	Between T930 and C980	25.2	42.4	40.0	17.7	38.5	28.4	22.3	31.3	38.5	48.9	29.8	15.4	40.5	24.0	17.7	25.7	30.4
9	Between T920 and T930	22.7	51.9	35.3	19.3	29.8	31.5	28.7	26.6	30.6	48.8	7.3	16.4	33.1	19.7	21.7	20.4	27.7
10	Between T180 and T120	42.2	22.6	42.5	29.1	73.6	53.4	43.5	51.4	74.3	72.8	16.2	25.5	42.2	21.7	16.6	24.3	40.7
11	Between M140 and D101	33.8	65.5	51.5	23.4	51.4	48.3	43.2	49.0	72.4	81.4	95.7	23.6	40.8	24.1	18.1	24.4	46.7
12	Between Trommels	24.3	77.8	63.8	33.6	46.8	61.2	28.6	52.1	61.8	67.2	14.3	22.3	37.6	27.0	17.3	29.4	41.6
13	Between AWS 550s	36.5	43.0	77.5	22.2	38.9	43.9	37.5	73.4	47.9	36.9	54.0	20.3	40.8	17.3	26.7	15.6	39.5

Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	East Corner of Tip Floor Rollup Door	39.3	36.9	34.4	19.1	20.1	26.5	28.4	14.0	14.1	26.22	14.3	21.1	20.4	19.1	25.3	16.5	23.5
2	Near Residual Pile on Tip Floor	31.0	62.7	50.8	18.9	44.4	52.4	90.5	59.9	43.8	65.2	15.5	24.3	35.5	18.9	37.8	18.1	41.9
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	23.1	45.1	40.6	17.2	35.2	38.7	27.5	38.6	39.1	65.8	13.2	19.1	26.4	17.2	9.7	16.9	29.6
4	Between C1450 and C520	28.4	52.1	43.3	21.2	27.7	34.6	43.6	90.3	23.9	78.4	15.2	34.7	18.8	21.1	9.0	19.6	35.1
5	Near C740	44.5	51.8	51.1	23.4	50.8	48.1	56.1	56.1	53.8	77.7	79.3	33.5	63.8	23.3	21.1	27.3	47.6
6	Near MRF Floor Sump	18.4	34.4	67.7	17.3	35.2	41.2	12.6	58.6	34.7	24.7	13.6	21.1	30.1	14.3	7.3	14.5	27.9
7	Between C500 and Eyewash, In Front of Control Room	34.8	108.1	49.8	31.3	34.1	44.6	52.4	46.1	66	69.2	44.9	32.2	29.6	31.3	12.9	25.3	44.5
8	Between T930 and C980	39.3	65.8	62.8	36.9	47.1	53.5	37.3	49.2	62	75.4	47.2	24.7	62.1	36.9	20.9	41.9	47.7
9	Between T920 and T930	36.3	65.0	52.2	27.6	41.6	37.3	44.7	43.1	49.7	75.2	9.9	26.8	53.4	27.6	34.6	33.3	41.1
10	Between T180 and T120	69.1	39.0	65.2	38.9	64.2	53.4	69.5	84.7	117.5	119.4	24.3	43.4	62.1	38.9	25.9	40.6	59.8
11	Between M140 and D101	53.6	101.5	81.3	37.3	67.6	45.3	67.1	78.1	121.6	130.6	84.4	34.6	62.0	37.3	28.9	39.9	66.9
12	Between Trommels	39.3	127.7	104.3	47.7	63.5	58.4	44.5	84.1	96.5	106.8	22.5	45.3	60.2	47.7	25.7	48	63.9
13	Between AWS 550s	59.9	69.5	122.4	26.9	59.6	35.4	60.2	101.5	76.2	56.7	82.4	25.3	69.3	26.9	42.6	22.8	58.6

All of the rollup doors were open
The MRF abstraction fans were off/on
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements
Temptop M2000 AQ Meter for PM2.5, PM10, and CO2 used for PM measurements

APPENDIX B - MRF BUILDING PLAN

BUILDING AREA TABULATION

		OCCUPANCY	NON OCCUPIED	OFFICES (B)	FACTORY (F-1)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F & S OCCUPANTS
MRF										
LEVEL 1										
001	ENTRY LOBBY	B								
002	INTERIOR STAIR	B								
003	NOT USED									
004	JANITOR ROOM	B								
	ELEVATOR	B								
005	SORTING	F1								
006	TIP	S1								
C1	COMPRESSOR	F1								
E1	ELECTRICAL	S1								
LEVEL 1 TOTAL										
MEZZANINE 1										
102	INTERIOR STAIR	B								
	ELEVATOR SHAFT									
101	Not Used									
102	STAIR LOBBY	B								
103	[illegible]	B								
104	LOBBY	B								
105	MULTI-PURPOSE	B								
106	STORAGE 2	B								
107	M/W 1	B								
108	M/W 2	B								
109	CONFERENCE	B								
110	OFFICE 1	B								
111	OFFICE 2	B								
112	OFFICE 3	B								
113	OFFICE 4	B								
114	LOCKER	B								
115	SHOWER	B								
116	M/W 3	B								
117	BREAK	B								
118	STORAGE 3	B								
119	HALL 1	B								
120	HALL 2	B								
121	HALL 3	B								
122	STORAGE 3	B								
MEZZANINE 1 TOTAL										
MEZZANINE 2										
200	INTERIOR STAIR	B								
201	Not Used									
202	STAIR LOBBY	B								
203	JAN.	B								
	ELEVATOR SHAFT									
204	LOBBY	B								
205	OPEN OFFICE	B								
206	OFFICE 1	B								
207	OFFICE 2	B								
208	OFFICE 3	B								
209	CONFERENCE	B								
210	BREAK	B								
211	WOMEN	B								
212	MEN	B								
213	STORAGE	B								
214	HALL	B								
MEZZANINE 2 TOTAL										
BUILDING TOTAL										

NOTE:

1. AREAS ARE GROSS SQUARE FEET, CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW

ALLOWABLE BUILDING AREA

PERIMETER AND OPEN SPACE INFORMATION (CBC 506)

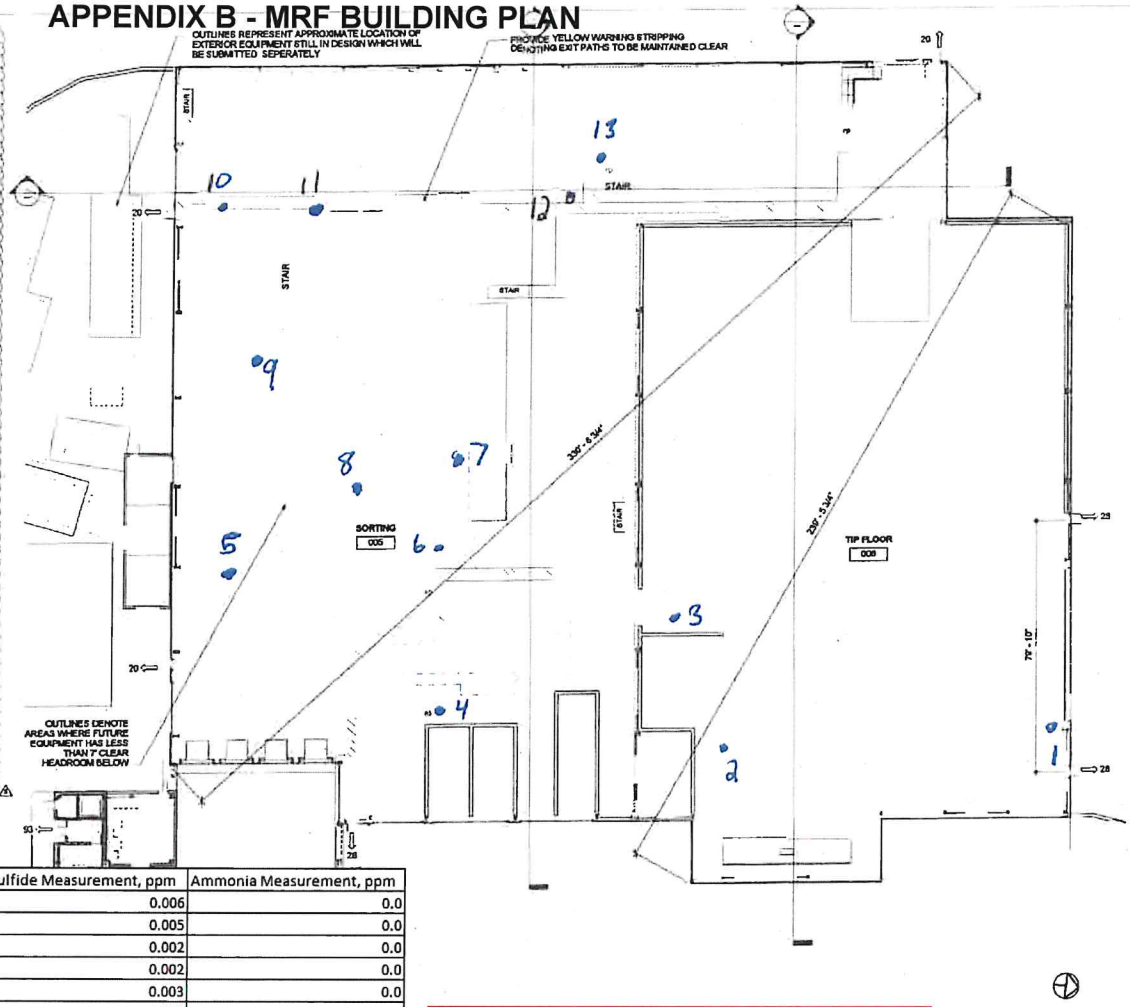
NOTE: MRF FIT-UP

Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

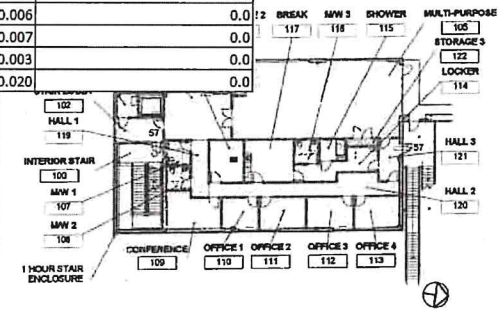
Measurements taken around 10-11am on 4/21/2021
The facility was running MSW
Most of the rollup doors were open
The MRF abstraction fans were off
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements

#	SERVICE SINKS	DRINKING FOUNTAINS
OMEN		
250:1		1-150:1
250:1		
300:1		
1	2	1 WATER COOLER

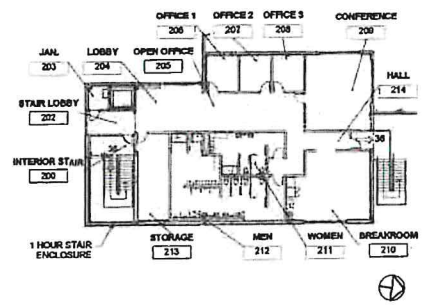
THE SORT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER WILL BE RUN OVERHEAD ON THE SORTING EQUIPMENT. AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.



Sample Locations Are Approximate



2 MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



3 MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
363 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

CONSTRUCTION
DIANI COMPANIES
Santa Maria

361 NORTH BLOSSER ROAD
PO BOX 6797
SANTA MARIA, CA 93456 - 6797
(805) 925-9639
FAX (805) 928-2160

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Newport Beach, CA 92660

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Arroyo Grande, CA 93420
(805) 473 - 2721
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GARY W. MADJEDI, ARCHITECT

GARY W. MADJEDI
No. 6 EXPIRES
EXP. 3/31/20
STATE OF CALIFORNIA

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
1	Addenda PC 2	12/16/19	
2	Plan Check 2	8/1/2019	

REVISIONS

STATUS: REVIEW
DATE: 6/4/19
PROJECT NO: 180201

SHEET NAME:
EXITING PLANS

SHEET NO:
G200

APPENDIX A - MRF INDOOR AIR SAMPLING

MUSTANG RENEWABLE POWER VENTURES
17 Corporate Plaza Drive, Suite 200
Newport Beach, CA 92660
O: 805.259.9499

March 15, 2022

Aimee Long
Air Quality Specialist
Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110

Permit: ATC 14500 02
H.B. Case No. 2021-12-R

RE: MSB Investors, LLC
ReSource Center (formerly Tajiguas Resource Recovery Project)
Variance Update Due to Alisal Fire Impact

Aimee:

In response to the Variance granted by the Hearing Board on December 1, 2021 in connection with H.B. Case No. 2021-12-R we offer the following report:

Our general contractor, Diani Building Corp., Santa Maria, CA, has completed a detailed estimate of the damages to our Resource Center facilities located at the County owned Tajiguas Landfill. They anticipate completing their estimate for the repairs and replacement of the baghouse filters adjacent to the damaged MRF biofilter facilities. Our air quality consultant, AECOM is in the process of responding to the District engineers request for additional AQ/HRA analysis related to the MRF biofilter facilities. They anticipate this to be submitted to District engineering prior to March 31, 2022. Until the damage repair/replacement estimate is completed by Diani and the additional AQ/HRA work is completed by AECOM, we are not yet in a position to provide the estimated dates for repair and replacement. Our goal of course is to have the damaged equipment repaired or replaced with alternative air emission control systems acceptable to the District's engineering staff on or prior to the expiration of this Variance.

As stated in our petition for the Variance, we took preventative measures once the scrubbers became non-operational such as additional building ventilation and indoor air monitoring on a weekly basis. The indoor air monitoring continues to observe indoor air measurements of H2S and NH3 of approximately 2-5% of the MRF biofilter emission limits. The indoor air levels of H2S and NH3 were and continue to be extremely low due to the speed at which organic waste is processed through the building to loadout trucks for transfer to the ADF for further processing in-vessel.

Attached please find a schedule, Appendix A – MRF Indoor Air Sampling, showing the indoor air measurements of H2S, NH3, PM 2.5 and PM 10 taken at 13 locations inside the MRF building depicted on Appendix B – MRF Building Plan over the period from November 19, 2021 through March 11, 2022 (i.e., a 3-month lookback).

Please let me know if you have any questions on the above or the attached.

Sincerely,

MSB Investors, LLC

John Dewey
CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational Biofilters and Baghouses

Point	Location Description	Friday (11/19) H2S (ppmv)	Friday (11/26) H2S (ppmv)	Friday (12/3) H2S (ppmv)	Friday (12/11) H2S (ppmv)	Friday (12/17) H2S (ppmv)	Thursday (12/23) H2S (ppmv)	Thursday (12/30) H2S (ppmv)	Friday (1/7/22) H2S (ppmv)	Friday (1/14/22) H2S (ppmv)	Friday (1/21/22) H2S (ppmv)	Friday (1/28/22) H2S (ppmv)	Friday (2/4/22) H2S (ppmv)	Friday (2/11/22) H2S (ppmv)	Friday (2/18/22) H2S (ppmv)	Friday (2/28/22) H2S (ppmv)	Friday (3/4/22) H2S (ppmv)	Friday (3/11/22) H2S (ppmv)	11/19 - 3/11 Avg. H2S (ppmv)
1	East Corner of Tip Floor Rollup Door	0.004	0.006	0.002	0.009	0.010	0.003	0.007	0.005	0.003	0.006	0.009	0.004	0.003	0.004	0.009	0.012	0.002	0.006
2	Near Residual Pile on Tip Floor	0.004	0.008	0.006	0.024	0.016	0.008	0.008	0.003	0.003	0.007	0.006	0.006	0.004	0.003	0.006	0.005	0.009	0.007
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.004	0.005	0.006	0.009	0.017	0.007	0.004	0.003	0.004	0.007	0.005	0.000	0.003	0.002	0.005	0.004	0.003	0.005
4	Between C1450 and C520	0.005	0.006	0.005	0.013	0.008	0.003	0.006	0.003	0.005	0.007	0.003	0.000	0.004	0.004	0.003	0.003	0.004	0.005
5	Near C740	0.002	0.004	0.002	0.002	0.002	0.004	0.005	0.003	0.003	0.003	0.006	0.003	0.005	0.006	0.006	0.002	0.006	0.004
6	Near MRF Floor Sump	0.002	0.007	0.005	0.003	0.013	0.002	0.008	0.004	0.003	0.004	0.004	0.003	0.003	0.006	0.004	0.002	0.004	0.005
7	Between C500 and Eyewash, In Front of Control Room	0.003	0.004	0.004	0.006	0.013	0.005	0.004	0.004	0.004	0.008	0.004	0.002	0.004	0.004	0.004	0.003	0.005	0.005
8	Between T930 and C980	0.002	0.006	0.004	0.006	0.010	0.006	0.006	0.007	0.004	0.006	0.004	0.000	0.004	0.008	0.004	0.007	0.004	0.005
9	Between T920 and T930	0.004	0.007	0.005	0.005	0.011	0.006	0.006	0.003	0.003	0.006	0.005	0.000	0.003	0.008	0.005	0.006	0.003	0.005
10	Between T180 and T120	0.003	0.002	0.002	0.005	0.012	0.003	0.003	0.004	0.003	0.001	0.005	0.001	0.004	0.005	0.005	0.002	0.003	0.004
11	Between M140 and D101	0.003	0.003	0.003	0.006	0.010	0.003	0.003	0.003	0.002	0.002	0.006	0.000	0.006	0.004	0.006	0.003	0.003	0.004
12	Between Trommels	0.004	0.004	0.004	0.006	0.014	0.005	0.004	0.001	0.003	0.004	0.004	0.001	0.006	0.004	0.004	0.003	0.004	0.004
13	Between AWS 550s	0.003	0.002	0.003	0.009	0.099	0.004	0.002	0.002	0.003	0.004	0.004	0.001	0.004	0.003	0.004	0.003	0.003	0.009

Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	East Corner of Tip Floor Rollup Door	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.029
2	Near Residual Pile on Tip Floor	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.059
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.029
4	Between C1450 and C520	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.029
5	Near C740	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.059
6	Near MRF Floor Sump	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.029
7	Between C500 and Eyewash, In Front of Control Room	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.088
8	Between T930 and C980	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.059
9	Between T920 and T930	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.059
10	Between T180 and T120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.029
11	Between M140 and D101	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.500	0.118
12	Between Trommels	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.050	0.000	0.000	0.000	0.062
13	Between AWS 550s	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.059

Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	East Corner of Tip Floor Rollup Door	12.7	9.9	12.6	19.1	9.1	8.9	16.6	11.0	13	13	11.5	15.4	10.9	15	11.5	12.6	23.0	13.3
2	Near Residual Pile on Tip Floor	12.3	26.8	15.7	55.4	34.0	24.8	40.5	10.5	12.5	22.6	13.7	25.2	11.8	14.1	13.7	12.2	38.4	22.6
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	12.4	27.7	21.3	18.4	24.2	24.7	42.2	8.5	9.9	27.3	9.8	6.4	11.4	13.3	9.8	8.7	27.1	17.8
4	Between C1450 and C520	11.7	13.7	15.8	28.6	57.9	16.7	50.2	9.5	10.3	12.5	12.7	6.3	13.3	18.7	12.7	10	33.2	19.6
5	Near C740	15.5	36.2	22.7	35.2	35.2	34.5	49.9	46.4	14.5	42.3	11.8	13.3	17.8	10.8	11.8	16.5	33.9	26.4
6	Near MRF Floor Sump	11.1	10.3	14.5	8.7	37.1	9.3	17	9.1	11.1	19.9	9.2	4.7	10.0	8	9.2	9.2	22.7	13.0
7	Between C500 and Eyewash, In Front of Control Room	20.3	23.3	36.2	33.8	27.9	41	43.1	29.3	13.9	19.2	20.1	8.2	17.0	34.8	20.1	19.3	67.1	27.9
8	Between T930 and C980	17.7	38.5	28.4	22.3	31.3	38.5	48.9	29.8	15.4	40.5	24.0	17.7	25.7	23.1	24.0	16.7	42.4	28.5
9	Between T920 and T930	19.3	29.8	31.5	28.7	26.6	30.6	48.8	7.3	16.4	33.1	19.7	21.7	20.4	15.3	19.7	17.2	51.9	25.8
10	Between T180 and T120	29.1	73.6	53.4	43.5	51.4	74.3	72.8	16.2	25.5	42.2	21.7	16.6	24.3	20.5	21.7	29.8	22.6	37.6
11	Between M140 and D101	23.4	51.4	48.3	43.2	49.0	72.4	81.4	95.7	23.6	40.8	24.1	18.1	24.4	21.6	24.1	23.7	65.5	43.0
12	Between Trommels	33.6	46.8	61.2	28.6	52.1	61.8	67.2	14.3	22.3	37.6	27.0	17.3	29.4	170.2	27.0	26.2	77.8	47.1
13	Between AWS 550s	22.2	38.9	43.9	37.5	73.4	47.9	36.9	54.0	20.3	40.8	17.3	26.7	15.6	34.4	17.3	15.3	43.0	34.4

Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	East Corner of Tip Floor Rollup Door	19.1	20.1	26.5	28.4	14.0	14.1	26.22	14.3	21.1	20.4	19.1	25.3	16.5	23.3	19.1	20.1	36.9	21.4
2	Near Residual Pile on Tip Floor	18.9	44.4	52.4	90.5	59.9	43.8	65.2	15.5	24.3	35.5	18.9	37.8	18.1	21.3	18.9	18.2	62.7	38.0
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	17.2	35.2	38.7	27.5	38.6	39.1	65.8	13.2	19.1	26.4	17.2	9.7	16.9	19.6	17.2	15.1	45.1	27.2
4	Between C1450 and C520	21.2	27.7	34.6	43.6	90.3	23.9	78.4	15.2	34.7	18.8	21.1	9.0	19.6	28.6	21.1	14.7	52.1	32.6
5	Near C740	23.4	50.8	48.1	56.1	56.1	53.8	77.7	79.3	33.5	63.8	23.3	21.1	27.3	17	23.3	25.5	51.8	43.1
6	Near MRF Floor Sump	17.3	35.2	41.2	12.6	58.6	34.7	24.7	13.6	21.1	30.1	14.3	7.3	14.5	12.3	14.3	16.1	34.4	23.7
7	Between C500 and Eyewash, In Front of Control Room	31.3	34.1	44.6	52.4	46.1	66	69.2	44.9	32.2	29.6	31.3	12.9	25.3	55.8	31.3	30	108.1	43.8
8	Between T930 and C980	36.9	47.1	53.5	37.3	49.2	62	75.4	47.2	24.7	62.1	36.9	20.9	41.9	39.4	36.9	24.8	65.8	44.8
9	Between T920 and T930	27.6	41.6	37.3	44.7	43.1	49.7	75.2	9.9	26.8	53.4	27.6	34.6	33.3	24.4	27.6	26.8	65.0	38.2
10	Between T180 and T120	38.9	64.2	53.4	69.5	84.7	117.5	119.4	24.3	43.4	62.1	38.9	25.9	40.6	33.5	38.9	46.5	39.0	55.3
11	Between M140 and D101	37.3	67.6	45.3	67.1	78.1	121.6	130.6	84.4	34.6	62.0	37.3	28.9	39.9	35.8	37.3	35.7	101.5	61.5
12	Between Trommels	47.7	63.5	58.4	44.5	84.1	96.5	106.8	22.5	45.3	60.2	47.7	25.7	48	283	47.7	42.1	127.7	73.6
13	Between AWS 550s	26.9	59.6	35.4	60.2	101.5	76.2	56.7	82.4	25.3	69.3	26.9	42.6	22.8	57.8	26.9	22.3	69.5	50.7

All of the rollup doors were open
The MRF abstraction fans were off/on
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements
Temptop M2000 AQ Meter for PM2.5, PM10, and CO2 used for PM measurements

APPENDIX B - MRF BUILDING PLAN

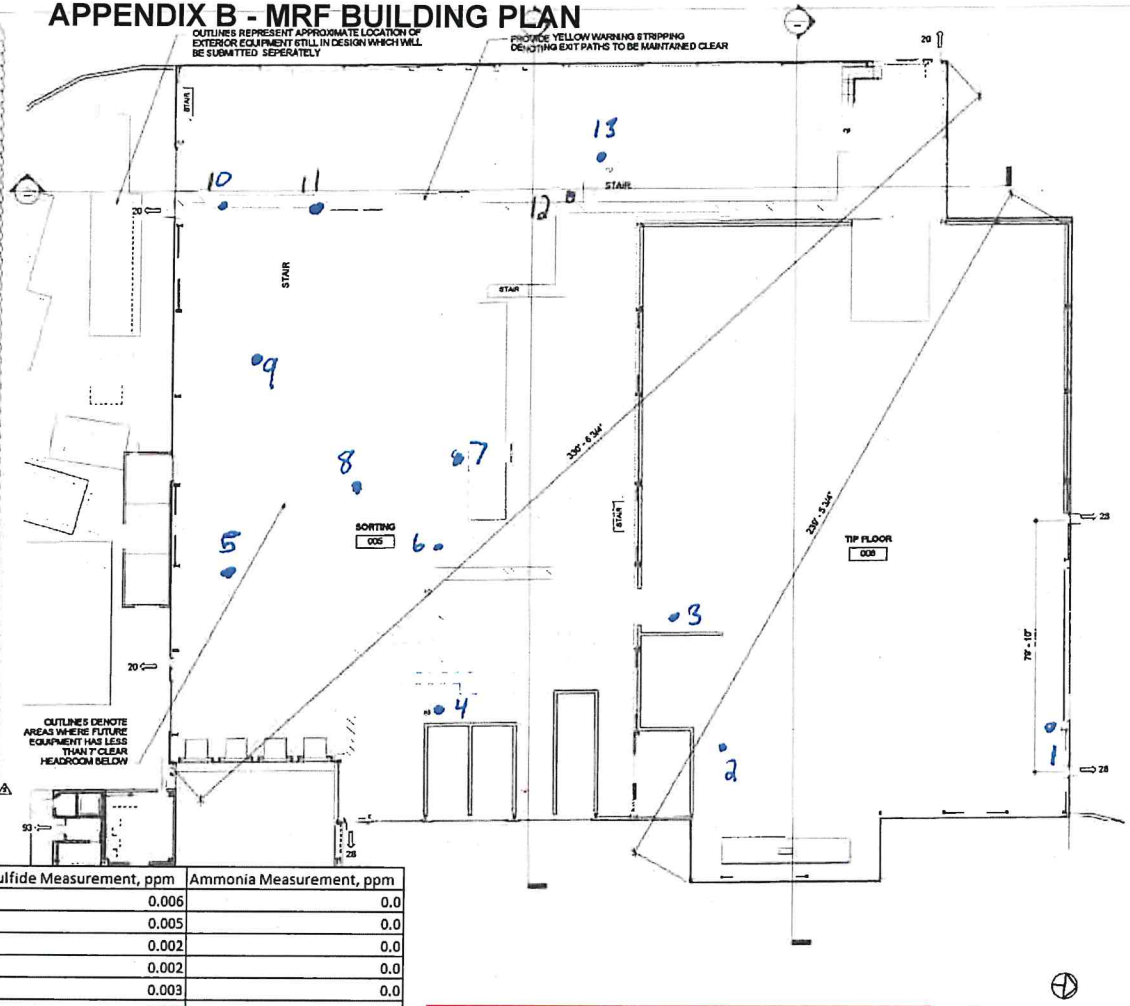
BUILDING AREA TABULATION

			OCCUPANCY	NON OCCUPIED	OFFICES (B)	FACTORY (F-1)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F & S OCCUPANTS
MRF											
LEVEL 1											
	101	ARTSY LOBBY	B		1,[illegible]			1,[illegible]	1.[illegible]	1.[illegible]	
	102	EXTERIOR STAIR	B		4,[illegible]			1,[illegible]	4.[illegible]	4.[illegible]	
	103	MAU UNIT									
	104	MACHINE ROOM	S				[illegible]	3,[illegible]	0.[illegible]		0.[illegible]
		ELEVATOR	S				7.[illegible]	1,[illegible]	0.[illegible]	0.[illegible]	
	105	SORTING	F1			28,[illegible]		7,[illegible]	29.[illegible]		29.[illegible]
	106	TIP	S1			27,[illegible]		1,[illegible]	57.[illegible]		57.[illegible]
	C1	COMPRESSOR	F1			7,[illegible]		7,[illegible]	7.[illegible]		7.[illegible]
	E1	ELECTRICAL	S1				1,[illegible]	3,[illegible]	1.[illegible]		1.[illegible]
				7.[illegible]	1,[illegible]	66,[illegible]	87		146.[illegible]	6.7	136.[illegible]
LEVEL 1 TOTAL							63,[illegible]				
MEZZANINE 1											
	120	INTERIOR STAIR	B		1,[illegible]			1,[illegible]	1.[illegible]	1.[illegible]	
		ELEVATOR SHAFT		0.[illegible]							
	181	MAU Unit									
	182	STAIR LOBBY	B		2.[illegible]			1,[illegible]	1.[illegible]	1.[illegible]	
	183	ELEVATOR	B		6.[illegible]			1,[illegible]	0.[illegible]	0.[illegible]	
	184	LOBBY	B		[illegible]			1,[illegible]	2.[illegible]	2.[illegible]	
	185	MULTI-PURPOSE	B		1,[illegible]			1.[illegible]	87.[illegible]	87.[illegible]	
	186	STORAGE 2	B		[illegible]			1,[illegible]	0.[illegible]		0.[illegible]
	187	MW 3	B		[illegible]			1,[illegible]	0.[illegible]	0.7	
	188	MW 2	B		7.[illegible]			1,[illegible]	0.[illegible]	0.[illegible]	
	189	CONFERENCE	B		2.[illegible]			1,[illegible]	0.[illegible]	0.2	
	110	OFFICE 1	B		1,[illegible]			1,[illegible]	1.[illegible]	1.[illegible]	
	111	OFFICE 2	B		[illegible]			1,[illegible]	1.[illegible]	1.7	
	112	OFFICE 3	B		[illegible]			1,[illegible]	2.[illegible]	2.7	
	113	OFFICE 4	B		1.7			1,[illegible]	0.[illegible]	0.[illegible]	
	114	LOCKER	B		2.7			1,[illegible]	1.[illegible]	1.[illegible]	
	115	SHOWER	B		4.[illegible]			1,[illegible]	0.[illegible]	0.[illegible]	
	116	MW 3	B		[illegible]			1,[illegible]	0.[illegible]	0.[illegible]	
	117	BREAK	B		2.[illegible]			1,[illegible]	2.[illegible]	2.[illegible]	
	118	STORAGE 3	B		1,[illegible]			1,[illegible]	1.[illegible]		1.[illegible]
	119	HALL 1	B		1,[illegible]			1,[illegible]	1.[illegible]	1.[illegible]	
	120	HALL 2	B		3.[illegible]			1,[illegible]	3.[illegible]	3.[illegible]	
	121	HALL 3	B		1.[illegible]			1,[illegible]	1.[illegible]	1.[illegible]	
	122	STORAGE 3	B		1.[illegible]			1,[illegible]	0.[illegible]		0.[illegible]
				0.[illegible]	4,[illegible]	0	0		114.7	110.7	4.[illegible]
MEZZANINE 1 TOTAL							4,[illegible]				
MEZZANINE 2											
	200	INTERIOR STAIR	B		1,[illegible]			1,[illegible]	1.[illegible]	1.[illegible]	
	201	MAU Unit									
	202	STAIR LOBBY	B		3.[illegible]			1,[illegible]	3.[illegible]	3.[illegible]	
	203	JAN	B		0.7			1,[illegible]	0.7	0.7	
		ELEVATOR SHAFT		0.[illegible]							
	204	LOBBY	B		3.[illegible]			1,[illegible]	3.[illegible]	3.[illegible]	
	205	OPEN OFFICE	B		4.[illegible]			1,[illegible]	4.[illegible]	3.[illegible]	
	206	OFFICE 1	B		1.[illegible]			1,[illegible]	1.[illegible]	1.[illegible]	
	207	OFFICE 2	B		1.[illegible]			1,[illegible]	1.[illegible]	1.[illegible]	
	208	OFFICE 3	B		1.[illegible]			1,[illegible]	1.[illegible]	1.[illegible]	
	209	CONFERENCE	B		1,[illegible]			1.[illegible]	16.[illegible]	16.[illegible]	
	210	BREAK	B		2.[illegible]			1,[illegible]	6.[illegible]	4.[illegible]	
	211	WOMEN	B		2.[illegible]			1,[illegible]	2.[illegible]	2.[illegible]	
	212	MEN	B		7.[illegible]			1,[illegible]	7.[illegible]	7.[illegible]	
	213	STORAGE	B				1.[illegible]	1,[illegible]	1.[illegible]		1.[illegible]
	214	HALL	B		2.[illegible]			1,[illegible]	2.[illegible]	2.[illegible]	
				0.[illegible]	1,[illegible]	0	1.[illegible]		70.[illegible]	68.[illegible]	1.[illegible]
MEZZANINE 2 TOTAL							4,[illegible]				
BUILDING TOTAL				1.[illegible]	6,7.[illegible]	66,[illegible]	1,[illegible]		3.[illegible]	3.[illegible]	3.[illegible]
							76,[illegible]				

NOTE:

1. AREAS ARE GROSS SQUARE FEET, CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW



ALLOWABLE BUILDING AREA

PERIMETER AND OPEN SPACE INFORMATION (CBC 506)

NOTE: MRF FIT-UP

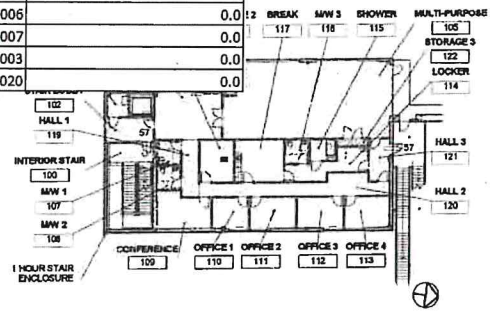
Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

Sample Locations Are Approximate

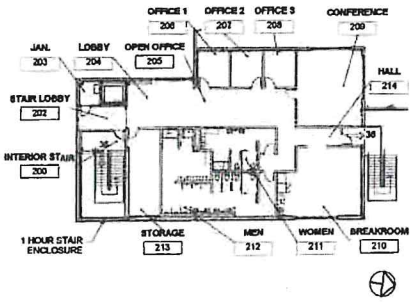
- M Measurements taken around 10-11am on 4/21/2021
- The facility was running MSW
- Most of the rollup doors were open
- The MRF abstraction fans were off
- The Tip Floor abstraction fans were on at 30 Hz
- Jerome 631-x used for hydrogen sulfide measurements
- Eagle 2 used for ammonia measurements

SERVICE SINKS	DRINKING FOUNTAINS
C50:1	1:100:1
C50:1	
30:1	
1	1 WATER COOLER

THE SORT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER WILL BE RUN OVERHEAD ON THE SORTING EQUIPMENT. AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.



2 MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



3 MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
383 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

CONSTRUCTION
DIANI COMPANIES
Santa Maria

381 NORTH BLOSSER ROAD
PO BOX 5787
SANTA MARIA, CA 93456 - 5787
(805) 925-9639
FAX (805) 928-2160

MSB Investors, LLC
17 Corporate Plaza, Suite 200
Newport Beach, CA 92660

330 Aspen Place
Arroyo Grande, CA 93420
(805) 473 - 2731
GARY W. MADJEDI, ARCHITECT

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
1	Addenda PC 2	10/15/19	
2	Plan Check 2	8/13/19	

REVISIONS

STATUS REVIEW
DATE 8/8/19
PROJECT NO 190201

SHEET NAME
EXITING PLANS

SHEET NO
G200

MUSTANG
RENEWABLE POWER
VENTURES

17 Corporate Plaza Drive, Suite 200
Newport Beach, CA 92660
O: 805.259.9499

April 7, 2022

Aimee Long
Air Quality Specialist
Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110

Permit: ATC 14500 02
H.B. Case No. 2021-12-R

RE: MSB Investors, LLC
ReSource Center (formerly Tajiguas Resource Recovery Project)
Variance Update Due to Alisal Fire Impact

Aimee:

In response to the Variance granted by the Hearing Board on December 1, 2021 in connection with H.B. Case No. 2021-12-R we offer the following report:

Our general contractor, Diani Building Corp., Santa Maria, CA, has completed a detailed estimate of the damages to our Resource Center facilities located at the County owned Tajiguas Landfill. They anticipate completing their estimate for the repairs and replacement of the baghouse filters adjacent to the damaged MRF biofilter facilities. Our air quality consultant, AECOM is in the process of responding to the District engineers request for additional AQ/HRA analysis related to the MRF biofilter facilities. This should submitted to District engineering within the next month or so. Until the damage repair/replacement estimate is completed by Diani and the additional AQ/HRA work is completed by AECOM, we are not yet in a position to provide the estimated dates for repair and replacement. Our goal of course is to have the damaged equipment repaired or replaced with alternative air emission control systems acceptable to the District's engineering staff on or prior to the expiration of this Variance.

As stated in our petition for the Variance, we took preventative measures once the scrubbers became non-operational such as additional building ventilation and indoor air monitoring on a weekly basis. The indoor air monitoring continues to observe indoor air measurements of H2S and NH3 of approximately 2-5% of the MRF biofilter emission limits. The indoor air levels of H2S and NH3 were and continue to be extremely low due to the speed at which organic waste is processed through the building to loadout trucks for transfer to the ADF for further processing in-vessel.

Attached please find a schedule, Appendix A – MRF Indoor Air Sampling, showing the indoor air measurements of H2S, NH3, PM 2.5 and PM 10 taken at 13 locations inside the MRF building depicted on Appendix B – MRF Building Plan over the period from December 3, 2021 through March 25, 2022 (i.e., a 4-month lookback).

Please let me know if you have any questions on the above or the attached.

Sincerely,

MSB Investors, LLC

John Dewey
CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational Biofilters and Baghouses

Point	Location Description	Friday (12/3) H2S (ppmv)	Friday (12/11) H2S (ppmv)	Friday (12/17) H2S (ppmv)	Thursday (12/23) H2S (ppmv)	Thursday (12/30) H2S (ppmv)	Friday (1/7/22) H2S (ppmv)	Friday (1/14/22) H2S (ppmv)	Friday (1/21/22) H2S (ppmv)	Friday (1/28/22) H2S (ppmv)	Friday (2/4/22) H2S (ppmv)	Friday (2/11/22) H2S (ppmv)	Friday (2/18/22) H2S (ppmv)	Friday (2/28/22) H2S (ppmv)	Friday (3/4/22) H2S (ppmv)	Friday (3/11/22) H2S (ppmv)	Friday (3/18/22) H2S (ppmv)	Friday (3/25/22) H2S (ppmv)	12/3 - 3/25 Avg. H2S (ppmv)
1	East Corner of Tip Floor Rollup Door	0.002	0.009	0.010	0.003	0.007	0.005	0.003	0.006	0.009	0.004	0.003	0.004	0.009	0.012	0.002	0.009	0.004	0.006
2	Near Residual Pile on Tip Floor	0.006	0.024	0.016	0.008	0.008	0.003	0.003	0.007	0.006	0.006	0.004	0.003	0.006	0.005	0.009	0.006	0.006	0.007
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.006	0.009	0.017	0.007	0.004	0.003	0.004	0.007	0.005	0.000	0.003	0.002	0.005	0.004	0.003	0.005	0.000	0.005
4	Between C1450 and C520	0.005	0.013	0.008	0.003	0.006	0.003	0.005	0.007	0.003	0.000	0.004	0.004	0.003	0.003	0.004	0.003	0.000	0.004
5	Near C740	0.002	0.002	0.002	0.004	0.005	0.003	0.003	0.003	0.006	0.003	0.005	0.006	0.006	0.002	0.006	0.006	0.003	0.004
6	Near MRF Floor Sump	0.005	0.003	0.013	0.002	0.008	0.004	0.003	0.004	0.004	0.003	0.003	0.006	0.004	0.002	0.004	0.004	0.003	0.004
7	Between C500 and Eyewash, In Front of Control Room	0.004	0.006	0.013	0.005	0.004	0.004	0.004	0.008	0.004	0.002	0.004	0.004	0.004	0.003	0.005	0.004	0.002	0.005
8	Between T930 and C980	0.004	0.006	0.010	0.006	0.006	0.007	0.004	0.006	0.004	0.000	0.004	0.008	0.004	0.007	0.004	0.004	0.000	0.005
9	Between T920 and T930	0.005	0.005	0.011	0.006	0.006	0.003	0.003	0.006	0.005	0.000	0.003	0.008	0.005	0.006	0.003	0.005	0.000	0.005
10	Between T180 and T120	0.002	0.005	0.012	0.003	0.003	0.004	0.003	0.001	0.005	0.001	0.004	0.005	0.005	0.002	0.003	0.005	0.001	0.004
11	Between M140 and D101	0.003	0.006	0.010	0.003	0.003	0.003	0.002	0.002	0.006	0.000	0.006	0.004	0.006	0.003	0.003	0.006	0.000	0.004
12	Between Trommels	0.004	0.006	0.014	0.005	0.004	0.001	0.003	0.004	0.004	0.001	0.006	0.004	0.004	0.003	0.004	0.004	0.001	0.004
13	Between AWS 550s	0.003	0.009	0.099	0.004	0.002	0.002	0.003	0.004	0.004	0.001	0.004	0.003	0.004	0.003	0.004	0.004	0.001	0.009

Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	East Corner of Tip Floor Rollup Door	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.059
2	Near Residual Pile on Tip Floor	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.118
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.059
4	Between C1450 and C520	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.088
5	Near C740	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.088
6	Near MRF Floor Sump	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.059
7	Between C500 and Eyewash, In Front of Control Room	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.147
8	Between T930 and C980	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.088
9	Between T920 and T930	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.500	1.000	0.147
10	Between T180 and T120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.059
11	Between M140 and D101	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.500	0.500	0.500	0.176
12	Between Trommels	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.050	0.000	0.000	0.000	0.000	0.500	0.091
13	Between AWS 550s	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.118

Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	East Corner of Tip Floor Rollup Door	12.6	19.1	9.1	8.9	16.6	11.0	13	13	11.5	15.4	10.9	15	11.5	12.6	23.0	34.0	24.2	15.4
2	Near Residual Pile on Tip Floor	15.7	55.4	34.0	24.8	40.5	10.5	12.5	22.6	13.7	25.2	11.8	14.1	13.7	12.2	38.4	24.8	24.7	23.2
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	21.3	18.4	24.2	24.7	42.2	8.5	9.9	27.3	9.8	6.4	11.4	13.3	9.8	8.7	27.1	40.5	42.2	20.3
4	Between C1450 and C520	15.8	28.6	57.9	16.7	50.2	9.5	10.3	12.5	12.7	6.3	13.3	18.7	12.7	10	33.2	10.5	8.5	19.3
5	Near C740	22.7	35.2	35.2	34.5	49.9	46.4	14.5	42.3	11.8	13.3	17.8	10.8	11.8	16.5	33.9	12.5	9.9	24.6
6	Near MRF Floor Sump	14.5	8.7	37.1	9.3	17	9.1	11.1	19.9	9.2	4.7	10.0	8	9.2	9.2	22.7	22.6	27.3	14.7
7	Between C500 and Eyewash, In Front of Control Room	36.2	33.8	27.9	41	43.1	29.3	13.9	19.2	20.1	8.2	17.0	34.8	20.1	19.3	67.1	31.3	26.6	28.8
8	Between T930 and C980	28.4	22.3	31.3	38.5	48.9	29.8	15.4	40.5	24.0	17.7	25.7	23.1	24.0	16.7	42.4	38.5	30.6	29.3
9	Between T920 and T930	31.5	28.7	26.6	30.6	48.8	7.3	16.4	33.1	19.7	21.7	20.4	15.3	19.7	17.2	51.9	48.9	48.8	28.6
10	Between T180 and T120	53.4	43.5	51.4	74.3	72.8	16.2	25.5	42.2	21.7	16.6	24.3	20.5	21.7	29.8	22.6	29.8	7.3	33.7
11	Between M140 and D101	48.3	43.2	49.0	72.4	81.4	95.7	23.6	40.8	24.1	18.1	24.4	21.6	24.1	23.7	65.5	15.4	16.4	40.5
12	Between Trommels	61.2	28.6	52.1	61.8	67.2	14.3	22.3	37.6	27.0	17.3	29.4	170.2	27.0	26.2	77.8	40.5	33.1	46.7
13	Between AWS 550s	43.9	37.5	73.4	47.9	36.9	54.0	20.3	40.8	17.3	26.7	15.6	34.4	12.5	42.3	19.9	19.2	40.5	34.3

Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	East Corner of Tip Floor Rollup Door	26.5	28.4	14.0	14.1	26.22	14.3	21.1	20.4	19.1	25.3	16.5	23.3	19.1	20.1	36.9	20.1	44.4	22.9
2	Near Residual Pile on Tip Floor	52.4	90.5	59.9	43.8	65.2	15.5	24.3	35.5	18.9	37.8	18.1	21.3	18.9	18.2	62.7	26.5	52.4	38.9
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	38.7	27.5	38.6	39.1	65.8	13.2	19.1	26.4	17.2	9.7	16.9	19.6	17.2	15.1	45.1	28.4	90.5	31.1
4	Between C1450 and C520	34.6	43.6	90.3	23.9	78.4	15.2	34.7	18.8	21.1	9.0	19.6	28.6	21.1	14.7	52.1	14.0	59.9	34.1
5	Near C740	48.1	56.1	56.1	53.8	77.7	79.3	33.5	63.8	23.3	21.1	27.3	17	23.3	25.5	51.8	14.1	43.8	42.1
6	Near MRF Floor Sump	41.2	12.6	58.6	34.7	24.7	13.6	21.1	30.1	14.3	7.3	14.5	12.3	14.3	16.1	34.4	26.22	65.2	26.0
7	Between C500 and Eyewash, In Front of Control Room	44.6	52.4	46.1	66	69.2	44.9	32.2	29.6	31.3	12.9	25.3	55.8	31.3	30	108.1	14.3	15.5	41.7
8	Between T930 and C980	53.5	37.3	49.2	62	75.4	47.2	24.7	62.1	36.9	20.9	41.9	39.4	36.9	24.8	65.8	21.1	24.3	42.6
9	Between T920 and T930	37.3	44.7	43.1	49.7	75.2	9.9	26.8	53.4	27.6	34.6	33.3	24.4	27.6	26.8	65.0	20.4	35.5	37.4
10	Between T180 and T120	53.4	69.5	84.7	117.5	119.4	24.3	43.4	62.1	38.9	25.9	40.6	33.5	38.9	46.5	39.0	19.1	18.9	51.5
11	Between M140 and D101	45.3	67.1	78.1	121.6	130.6	84.4	34.6	62.0	37.3	28.9	39.9	35.8	37.3	35.7	101.5	25.3	37.8	59.0
12	Between Trommels	58.4	44.5	84.1	96.5	106.8	22.5	45.3	60.2	47.7	25.7	48	283	47.7	42.1	127.7	16.5	18.1	69.1
13	Between AWS 550s	35.4	60.2	101.5	76.2	56.7	82.4	25.3	69.3	26.9	42.6	22.8	57.8	26.9	22.3	69.5	23.3	21.3	48.3

All of the rollup doors were open
The MRF abstraction fans were off/on
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements Eagle 2 used for ammonia measurements
Tampton M2000 AQ Meter for PM2.5, PM10, and CO2 used for PM

APPENDIX B - MRF BUILDING PLAN

BUILDING AREA TABULATION

			OCCUPANCY	NON OCCUPIED	OFFICES (B)	FACTORY (F-1)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F & S OCCUPANTS
MRF											
LEVEL 1											
	101	ENTRY LOBBY	B		104			100	1.0	1.0	
	102	INTERIOR STAIR	B		424			100	4.2	4.2	
	103	PAC Used									
	104	MACHINE ROOM	B				60	300	0.2		0
		ELEVATOR	B				77	100	0.8	0.8	
	105	SORTING	F1			39,216		500	78.4		78.4
	106	TIP	S1			27,600		500	55.2		55.2
	11	COMPRESSOR	F1			710		500	1.4		1.4
	11	ELECTRICAL	S1				131	300	0.4		0.4
				0	528	66,746	977		142.4	6.0	136.4
LEVEL 1 TOTAL							68,723				
MEZZANINE 1											
	120	INTERIOR STAIR	B		150			100	1.5	1.5	
		ELEVATOR SHAFT		0							
	101	Not Used									
	102	STAIR LOBBY	B		22			100	0.2	0.2	
	103	JANITOR	B		6			100	0.1	0.1	
	104	LOBBY	B		340			100	3.4	3.4	
	105	MULTI-PURPOSE	B		1,214			15	97.1	97.1	
	106	STORAGE 3	B		60			600	0.1		0.1
	107	MW 1	B		65			100	0.7	0.7	
	108	MW 2	B		75			100	0.8	0.8	
	109	CONFERENCE	B		230			100	0.6	0.6	
	110	OFFICE 1	B		146			100	1.5	1.5	
	111	OFFICE 2	B		146			100	1.5	1.5	
	112	OFFICE 3	B		146			100	1.5	1.5	
	113	OFFICE 4	B		172			100	1.7	1.7	
	114	LOCKER	B		175			100	1.8	1.8	
	115	UNIFORM	B		65			100	0.6	0.6	
	116	MW 3	B		67			100	0.7	0.7	
	117	BREAK	B		210			100	2.1	2.1	
	118	STORAGE 3	B		135			100	1.4		1.4
	119	HALL 1	B		300			100	3.0	3.0	
	120	HALL 2	B		325			100	3.3	3.3	
	121	HALL 3	B		107			100	1.1	1.1	
	122	STORAGE 3	B		170			100	0.2		0.2
				0	4,340	0	0		114.2	110.7	4.2
MEZZANINE 1 TOTAL							4,340				
MEZZANINE 2											
	200	INTERIOR STAIR	B		120			100	1.2	1.2	
	201	PAC Used									
	202	STAIR LOBBY	B		127			100	1.3	1.3	
	203	JAN.	B		67			100	0.7	0.7	
		ELEVATOR SHAFT		0							
	204	LOBBY	B		340			100	3.4	3.4	
	205	OPEN OFFICE	B		400			100	4.0	3.4	
	206	OFFICE 1	B		146			100	1.5	1.5	
	207	OFFICE 2	B		146			100	1.5	1.5	
	208	OFFICE 3	B		146			100	1.5	1.5	
	209	CONFERENCE	B		950			15	63.3	63.3	
	210	BREAK	B		630			100	6.3	6.3	
	211	WOMEN	B		730			100	7.3	7.3	
	212	MEN	B		730			100	7.3	7.3	
	213	STORAGE	B				150	300	0.5		0.5
	214	HALL	B		410			100	4.1	4.1	
				0	5,000	0	150		50.7	49.2	1.5
MEZZANINE 2 TOTAL							4,285				
BUILDING TOTAL				0	9,712	66,746	1,577		330.3	327.9	2.4
							75,617				

NOTE:

1. AREAS ARE GROSS SQUARE FEET, CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW

ALLOWABLE BUILDING AREA

PERIMETER AND OPEN SPACE INFORMATION (CBC 506)

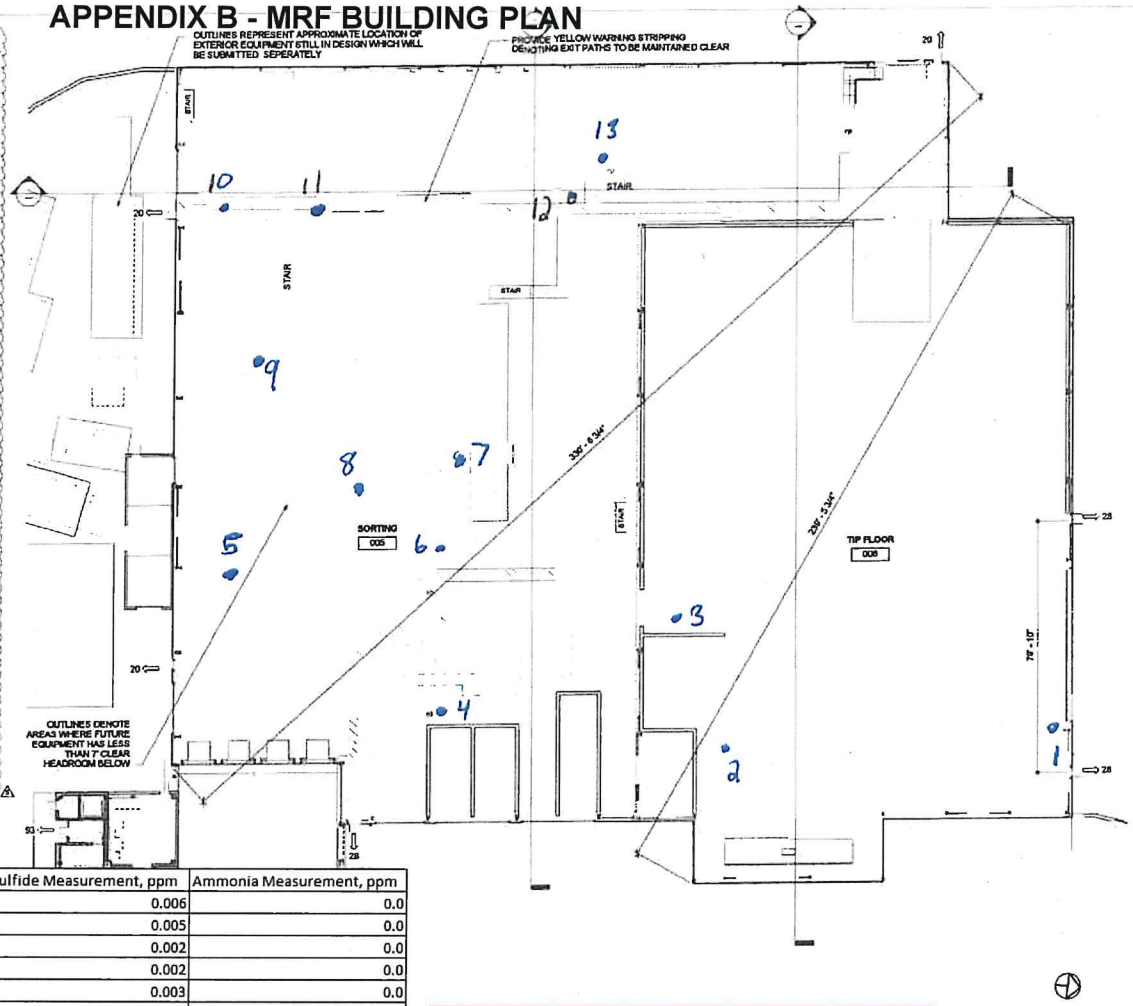
NOTE: MRF FIT-UP

Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

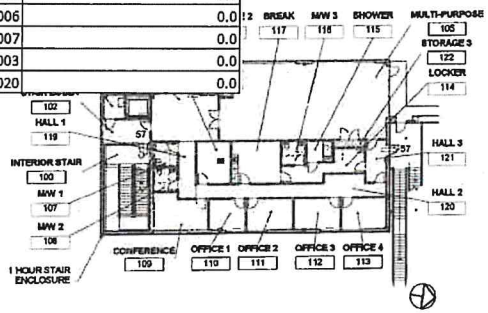
M Measurements taken around 10-11am on 4/21/2021
The facility was running MSW
Most of the rollup doors were open
The MRF abstraction fans were off
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements

	SERVICE SINKS	DRINKING FOUNTAINS
OMEN		
50:1		1-100:1
50:1		
50:1		
	2	1 WATER COOLER

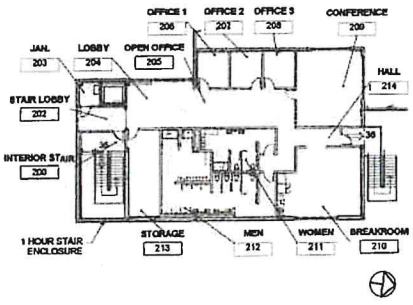
THE SORT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER WILL BE RUN OVERHEAD ON THE SORTING EQUIPMENT, AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.



Sample Locations Are Approximate



2 MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



3 MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
363 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

CONSTRUCTION
DIANI COMPANIES
Santa Maria
361 NORTH BLOSSER ROAD
PO BOX 5787
SANTA MARIA, CA 93456 - 5787
(805) 925-8533
FAX (805) 928-2150

MSB Investors, LLC
17 Corporate Plaza, Suite 200
Newport Beach, CA 92660

330 Adam Place
Arroyo Grande, CA 93420
(805) 473 - 2731
gwaqaedi@gwarchitect.com
GARY W. MAQUEDI, ARCHITECT

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
6	Arroyo PC 2	12/15/19	
5	PERMIT-00345 2	9/13/19	

REVISIONS

STATUS: REVIEW
DATE: 6/6/19
PROJECT NO: 18201

SHEET NAME:
EXITING PLANS

SHEET NO:
G200

MUSTANG
RENEWABLE POWER
VENTURES

17 Corporate Plaza Drive, Suite 200
Newport Beach, CA 92660
O: 805.259.9499

May 15, 2022

Aimee Long
Air Quality Specialist
Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110

Permit: ATC 14500 02
H.B. Case No. 2021-12-R

RE: MSB Investors, LLC
ReSource Center (formerly Tajiguas Resource Recovery Project)
Variance Update Due to Alisal Fire Impact

Aimee:

In response to the Variance granted by the Hearing Board on December 1, 2021 in connection with H.B. Case No. 2021-12-R we offer the following report:

Our general contractor, Diani Building Corp., Santa Maria, CA, has completed a detailed estimate of the damages to our Resource Center facilities located at the County owned Tajiguas Landfill. They anticipate completing their estimate for the repairs and replacement of the baghouse filters adjacent to the damaged MRF biofilter facilities. Our air quality consultant, AECOM is in the process of responding to the District engineers request for additional AQ/HRA analysis related to the MRF biofilter facilities. This should submitted to District engineering within the next month or so. Until the damage repair/replacement estimate is completed by Diani and the additional AQ/HRA work is completed by AECOM, we are not yet in a position to provide the estimated dates for repair and replacement. Our goal of course is to have the damaged equipment repaired or replaced with alternative air emission control systems acceptable to the District's engineering staff on or prior to the expiration of this Variance.

As stated in our petition for the Variance, we took preventative measures once the scrubbers became non-operational such as additional building ventilation and indoor air monitoring on a weekly basis. The indoor air monitoring continues to observe indoor air measurements of H2S and NH3 of approximately 2-5% of the MRF biofilter emission limits. The indoor air levels of H2S and NH3 were and continue to be extremely low due to the speed at which organic waste is processed through the building to loadout trucks for transfer to the ADF for further processing in-vessel.

Attached please find a schedule, Appendix A – MRF Indoor Air Sampling, showing the indoor air measurements of H2S, NH3, PM 2.5 and PM 10 taken at 13 locations inside the MRF building depicted on Appendix B – MRF Building Plan over the period from December 3, 2021 through April 29, 2022 (i.e., a 5-month lookback).

Please let me know if you have any questions on the above or the attached.

Sincerely,

MSB Investors, LLC

John Dewey
CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational Biofilters and Baghouses

		Friday (12/3)	Friday (12/11)	Friday (12/17)	Thursday (12/23)	Thursday (12/30)	Friday (1/7/22)	Friday (1/14/22)	Friday (1/21/22)	Friday (1/28/22)	Friday (2/4/22)	Friday (2/11/22)	Friday (2/18/22)	Friday (2/28/22)	Friday (3/4/22)	Friday (3/11/22)	Friday (3/18/22)	Friday (3/25/22)	Friday (4/1/22)	Friday (4/8/22)	Friday (4/15/22)	Friday (4/22/22)	Friday (4/29/22)	12/3 - 4/29 Avg.
Point	Location Description	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)
1	East Corner of Tip Floor Rollup Door	0.002	0.009	0.010	0.003	0.007	0.005	0.003	0.006	0.009	0.004	0.003	0.004	0.009	0.012	0.002	0.009	0.004	0.003	0.004	0.009	0.011	0.028	0.007
2	Near Residual Pile on Tip Floor	0.006	0.024	0.016	0.008	0.008	0.003	0.003	0.007	0.006	0.006	0.004	0.003	0.006	0.005	0.009	0.006	0.006	0.004	0.003	0.006	0.023	0.018	0.008
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.006	0.009	0.017	0.007	0.004	0.003	0.004	0.007	0.005	0.000	0.003	0.002	0.005	0.004	0.003	0.005	0.000	0.003	0.002	0.005	0.014	0.013	0.006
4	Between C1450 and C520	0.005	0.013	0.008	0.003	0.006	0.003	0.005	0.007	0.003	0.000	0.004	0.004	0.003	0.003	0.004	0.003	0.000	0.004	0.004	0.003	0.010	0.013	0.005
5	Near C740	0.002	0.002	0.002	0.004	0.005	0.003	0.003	0.003	0.006	0.003	0.005	0.006	0.006	0.002	0.006	0.006	0.003	0.005	0.006	0.006	0.007	0.048	0.006
6	Near MRF Floor Sump	0.005	0.003	0.013	0.002	0.008	0.004	0.003	0.004	0.004	0.003	0.003	0.006	0.004	0.002	0.004	0.004	0.003	0.003	0.006	0.004	0.010	0.014	0.005
7	Between C500 and Eyewash, In Front of Control Room	0.004	0.006	0.013	0.005	0.004	0.004	0.004	0.008	0.004	0.002	0.004	0.004	0.004	0.003	0.005	0.004	0.002	0.004	0.004	0.004	0.020	0.032	0.007
8	Between T930 and C980	0.004	0.006	0.010	0.006	0.006	0.007	0.004	0.006	0.004	0.000	0.004	0.008	0.004	0.007	0.004	0.004	0.000	0.004	0.008	0.004	0.009	0.029	0.006
9	Between T920 and T930	0.005	0.005	0.011	0.006	0.006	0.003	0.003	0.006	0.005	0.000	0.003	0.008	0.005	0.006	0.003	0.005	0.000	0.003	0.008	0.005	0.012	0.040	0.007
10	Between T180 and T120	0.002	0.005	0.012	0.003	0.003	0.004	0.003	0.001	0.005	0.001	0.004	0.005	0.005	0.002	0.003	0.005	0.001	0.004	0.005	0.005	0.013	0.035	0.006
11	Between M140 and D101	0.003	0.006	0.010	0.003	0.003	0.003	0.002	0.002	0.006	0.000	0.006	0.004	0.006	0.003	0.003	0.006	0.000	0.006	0.004	0.006	0.021	0.047	0.007
12	Between Trommels	0.004	0.006	0.014	0.005	0.004	0.001	0.003	0.004	0.004	0.001	0.006	0.004	0.004	0.003	0.004	0.004	0.001	0.006	0.004	0.004	0.020	0.038	0.007
13	Between AWS 550s	0.003	0.009	0.099	0.004	0.002	0.002	0.003	0.004	0.004	0.001	0.004	0.003	0.004	0.003	0.004	0.004	0.001	0.004	0.003	0.004	0.021	0.036	0.010

Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	East Corner of Tip Floor Rollup Door	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.091
2	Near Residual Pile on Tip Floor	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	1.000	0.136
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.068
4	Between C1450 and C520	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.500	0.000	0.000	0.091
5	Near C740	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.500	0.000	0.114
6	Near MRF Floor Sump	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.500	0.000	0.000	0.091
7	Between C500 and Eyewash, In Front of Control Room	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.500	0.136
8	Between T930 and C980	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.068
9	Between T920 and T930	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.500	1.000	1.000	0.000	1.000	0.000	0.000	0.205
10	Between T180 and T120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	1.000	0.091
11	Between M140 and D101	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.159
12	Between Trommels	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.050	0.000	0.000	0.000	0.000	0.500	0.500	0.050	0.000	0.000	1.000	0.141
13	Between AWS 550s	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	1.000	0.136

Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	East Corner of Tip Floor Rollup Door	12.6	19.1	9.1	8.9	16.6	11.0	13	13	11.5	15.4	10.9	15	11.5	12.6	23.0	34.0	24.2	57.9	35.2	37.1	16.7	44.2	20.6
2	Near Residual Pile on Tip Floor	15.7	55.4	34.0	24.8	40.5	10.5	12.5	22.6	13.7	25.2	11.8	14.1	13.7	12.2	38.4	24.8	24.7	16.7	34.5	9.3	17.1	26.3	22.7
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	21.3	18.4	24.2	24.7	42.2	8.5	9.9	27.3	9.8	6.4	11.4	13.3	9.8	8.7	27.1	40.5	42.2	50.2	49.9	17	15.6	18.6	22.6
4	Between C1450 and C520	15.8	28.6	57.9	16.7	50.2	9.5	10.3	12.5	12.7	6.3	13.3	18.7	12.7	10	33.2	10.5	8.5	9.5	46.4	9.1	11.7	16.3	19.1
5	Near C740	22.7	35.2	35.2	34.5	49.9	46.4	14.5	42.3	11.8	13.3	17.8	10.8	11.8	16.5	33.9	12.5	9.9	10.3	14.5	11.1	14.4	21.5	22.3
6	Near MRF Floor Sump	14.5	8.7	37.1	9.3	17	9.1	11.1	19.9	9.2	4.7	10.0	8	9.2	9.2	22.7	22.6	27.3	12.5	42.3	19.9	14.8	18.1	16.2
7	Between C500 and Eyewash, In Front of Control Room	36.2	33.8	27.9	41	43.1	29.3	13.9	19.2	20.1	8.2	17.0	34.8	20.1	19.3	67.1	31.3	26.6	51.4	49.0	52.1	19.7	23.5	31.1
8	Between T930 and C980	28.4	22.3	31.3	38.5	48.9	29.8	15.4	40.5	24.0	17.7	25.7	23.1	24.0	16.7	42.4	38.5	30.6	74.3	72.4	61.8	22.3	18.4	34.0
9	Between T920 and T930	31.5	28.7	26.6	30.6	48.8	7.3	16.4	33.1	19.7	21.7	20.4	15.3	19.7	17.2	51.9	48.9	48.8	72.8	81.4	67.2	21.6	19.5	34.1
10	Between T180 and T120	53.4	43.5	51.4	74.3	72.8	16.2	25.5	42.2	21.7	16.6	24.3	20.5	21.7	29.8	22.6	29.8	7.3	16.2	95.7	14.3	24.5	23.2	34.0
11	Between M140 and D101	48.3	43.2	49.0	72.4	81.4	95.7	23.6	40.8	24.1	18.1	24.4	21.6	24.1	23.7	65.5	15.4	16.4	25.5	23.6	22.3	27.2	22.4	36.8
12	Between Trommels	61.2	28.6	52.1	61.8	67.2	14.3	22.3	37.6	27.0	17.3	29.4	170.2	27.0	26.2	77.8	40.5	33.1	42.2	40.8	37.6	26.1	35.4	44.4
13	Between AWS 550s	43.9	37.5	73.4	47.9	36.9	54.0	20.3	40.8	17.3	26.7	15.6	34.4	12.5	42.3	19.9	19.2	40.5	33.1	42.2	18.2	29.6	37.1	33.8

Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	East Corner of Tip Floor Rollup Door	26.5	28.4	14.0	14.1	26.22	14.3	21.1	20.4	19.1	25.3	16.5	23.3	19.1	20.1	36.9	20.1	44.4	35.2	27.7	50.8	12.0	58.3	26.1
2	Near Residual Pile on Tip Floor	52.4	90.5	59.9	43.8	65.2	15.5	24.3	35.5	18.9	37.8	18.1	21.3	18.9	18.2	62.7	26.5	52.4	38.7	34.6	48.1	15.5	40.3	38.1
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	38.7	27.5	38.6	39.1	65.8	13.2	19.1	26.4	17.2	9.7	16.9	19.6	17.2	15.1	45.1	28.4	90.5	27.5	43.6	56.1	16.9	28.3	31.8
4	Between C1450 and C520	34.6	43.6	90.3	23.9	78.4	15.2	34.7	18.8	21.1	9.0	19.6	28.6	21.1	14.7	52.1	14.0	59.9	38.6	90.3	56.1	18.1	26.3	36.8
5	Near C740	48.1	56.1	56.1	53.8	77.7	79.3	33.5	63.8	23.3	21.1	27.3	17	23.3	25.5	51.8	14.1	43.8	39.1	23.9	53.8	23.6	32.0	40.4
6	Near MRF Floor Sump	41.2	12.6	58.6	34.7	24.7	13.6	21.1	30.1	14.3	7.3	14.5	12.3	14.3	16.1	34.4	26.22	65.2	65.8	78.4	77.7	16.3	27.3	32.1
7	Between C500 and Eyewash, In Front of Control Room	44.6	52.4	46.1	66	69.2	44.9	32.2	29.6	31.3	12.9	25.3	55.8	31.3	30	108.1	14.3	15.5	13.2	15.2	79.3	27.6	36.2	40.0
8	Between T930 and C980	53.5	37.3	49.2	62	75.4	47.2	24.7	62.1	36.9	20.9	41.9	39.4	36.9	24.8	65.8	21.1	24.3	19.1	34.7	33.5	28.0	28.9	39.4
9	Between T920 and T930	37.3	44.7	43.1	49.7	75.2	9.9	26.8	53.4	27.6	34.6	33.3	24.4	27.6	26.8	65.0	20.4	35.5	26.4	18.8	63.8	28.3	31.2	36.5
10	Between T180 and T120	53.4	69.5	84.7	117.5	119.4	24.3	43.4	62.1	38.9	25.9	40.6	33.5	38.9	46.5	39.0	19.1	18.9	17.2	21.1	23.3	32.5	38.2	45.8
11	Between M140 and D101	45.3	67.1	78.1	121.6	130.6	84.4	34.6	62.0	37.3	28.9	39.9	35.8	37.3	35.7	101.5	25.3	37.8	9.7	9.0	21.1	27.4	34.9	50.2
12	Between Trommels	58.4	44.5	84.1	96.5	106.8	22.5	45.3	60.2	47.7	25.7	48	283	47.7	42.1	127.7	16.5	18.1	16.9	19.6	27.3	45.6	56.8	61.0
13	Between AWS 550s	35.4	60.2	101.5	76.2	56.7	82.4	25.3	69.3	26.9	42.6	22.8	57.8	26.9	22.3	69.5	23.3	21.3	19.6	28.6	17	50.1	60.2	45.3

All of the rollup doors were open

The MRF abstraction fans were off/on

The Tip Floor abstraction fans were on at 30 Hz

Jerome 631-x used for hydrogen sulfide measurements Eagle 2 used for ammonia measurements

APPENDIX B - MRF BUILDING PLAN

BUILDING AREA TABULATION

			OCCUPANCY	NON OCCUPIED	OFFICES (B)	FACTORY (F-2)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F & S OCCUPANTS
MRF											
LEVEL 1											
	101	ENTRY LOBBY	B								
	102	INTERIOR STAIR	B								
	103	AHU UNIT									
	104	MACHINE ROOM	B								
		ELEVATOR	B								
	105	SORTING	F1								
	106	TIP	S1								
	C1	COMPRESSOR	F1								
	S1	ELECTRICAL	S1								
LEVEL 1 TOTAL											
MEZZANINE 1											
	150	INTERIOR STAIR	B								
		ELEVATOR SHAFT									
	151	AHU Unit									
	152	STAIR LOBBY	B								
	153	JANITOR	B								
	154	LOBBY	B								
	155	MULTI-PURPOSE	B								
	156	STORAGE 2	B								
	157	M/W 1	B								
	158	M/W 2	B								
	159	CONFERENCE	B								
	110	OFFICE 1	B								
	111	OFFICE 2	B								
	112	OFFICE 3	B								
	113	OFFICE 4	B								
	114	LOCKER	B								
	115	SHOWER	B								
	116	M/W 3	B								
	117	BREAK	B								
	118	STORAGE 3	B								
	119	HALL 1	B								
	120	HALL 2	B								
	121	HALL 3	B								
	122	STORAGE 3	B								
MEZZANINE 1 TOTAL											
MEZZANINE 2											
	200	INTERIOR STAIR	B								
	201	AHU UNIT									
	202	STAIR LOBBY	B								
	203	JAN.	B								
		ELEVATOR SHAFT									
	204	LOBBY	B								
	205	OPEN OFFICE	B								
	206	OFFICE 1	B								
	207	OFFICE 2	B								
	208	OFFICE 3	B								
	209	CONFERENCE	B								
	210	BREAK	B								
	211	WOMEN	B								
	212	MEN	B								
	213	STORAGE	B								
	214	HALL	B								
MEZZANINE 2 TOTAL											
BUILDING TOTAL											

NOTE:

1. AREAS ARE GROSS SQUARE FEET, CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW

ALLOWABLE BUILDING AREA

PERIMITER AND OPEN SPACE INFORMATION (CBC 506)

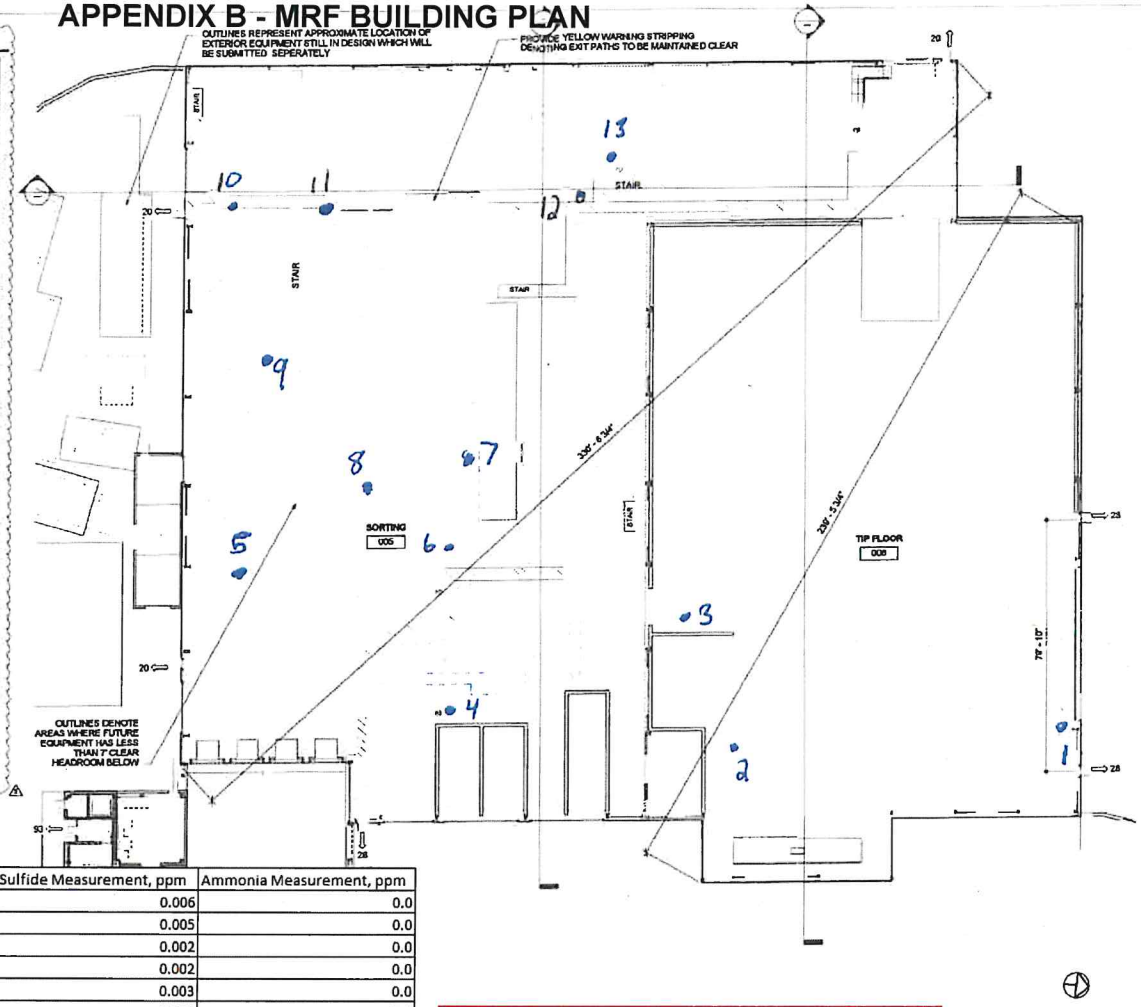
NOTE: MRF FIT-UP

Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

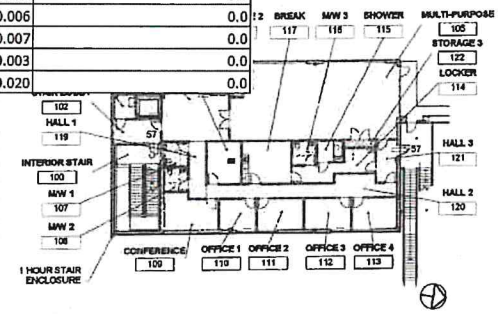
Measurements taken around 10-11am on 4/21/2021
The facility was running MSW
Most of the rollup doors were off
The MRF abstraction fans were off
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements

	SERVICE SINKS	DRINKING FOUNTAINS
WOMEN		
150:1		1-150:1
150:1		
200:1		
	3	3 WATER COOLER

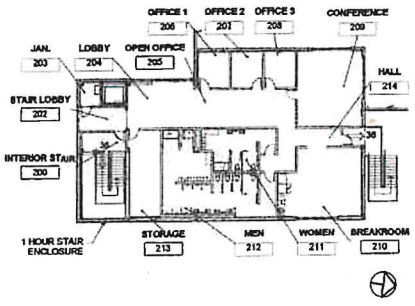
THE SOFT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER SHALL BE RUN OVERHEAD ON THE SORTING EQUIPMENT, AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.



Sample Locations Are Approximate



2 MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



3 MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
363 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

CONSTRUCTION
DIANI COMPANIES
Santa Maria

351 NORTH BLOSSER ROAD
PO BOX 5787
SANTA MARIA, CA 93456 - 5787
(805) 925-9633
FAX (805) 928-2150

MSB Investors, LLC
17 Corporate Plaza, Suite 200
Newport Beach, CA 92660

330 Acom Place
Arroyo Grande, CA 93420
(805) 473 - 2771
gmadjedi@gamarchitect.com

GARY W. MADJEDI, ARCHITECT

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
3	Addendum PC 2	10/15/19	
2	Plancheck 2	9/13/19	
1			

REVISIONS

STATUS REVIEW
DATE 8/8/19
PROJECT NO 190201

SHEET NAME
EXITING PLANS

SHEET NO
G200

MUSTANG RENEWABLE POWER VENTURES

17 Corporate Plaza Drive, Suite 200
Newport Beach, CA 92660
O: 805.259.9499

June 15, 2022

Aimee Long
Air Quality Specialist
Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110

Permit: ATC 14500 02
H.B. Case No. 2021-12-R

RE: MSB Investors, LLC
ReSource Center (formerly Tajiguas Resource Recovery Project)
Variance Update Due to Alisal Fire Impact

Aimee:

In response to the Variance granted by the Hearing Board on December 1, 2021 in connection with H.B. Case No. 2021-12-R we offer the following report:

Our general contractor, Diani Building Corp., Santa Maria, CA, has completed a detailed estimate of the damages to our Resource Center facilities located at the County owned Tajiguas Landfill. They anticipate completing their estimate for the repairs and replacement of the baghouse filters adjacent to the damaged MRF biofilter facilities. Our air quality consultant, AECOM is in the process of responding to the District engineers request for additional AQ/HRA analysis related to the MRF biofilter facilities. This should submitted to District engineering within the next month or so. Until the damage repair/replacement estimate is completed by Diani and the additional AQ/HRA work is completed by AECOM, we are not yet in a position to provide the estimated dates for repair and replacement. Our goal of course is to have the damaged equipment repaired or replaced with alternative air emission control systems acceptable to the District's engineering staff on or prior to the expiration of this Variance.

As stated in our petition for the Variance, we took preventative measures once the scrubbers became non-operational such as additional building ventilation and indoor air monitoring on a weekly basis. The indoor air monitoring continues to observe indoor air measurements of H2S and NH3 of approximately 2-5% of the MRF biofilter emission limits. The indoor air levels of H2S and NH3 were and continue to be extremely low due to the speed at which organic waste is processed through the building to loadout trucks for transfer to the ADF for further processing in-vessel.

Attached please find a schedule, Appendix A – MRF Indoor Air Sampling, showing the indoor air measurements of H2S, NH3, PM 2.5 and PM 10 taken at 13 locations inside the MRF building depicted on Appendix B – MRF Building Plan over the period from January 7, 2021 through May 27, 2022 (i.e., a 5-month lookback).

Please let me know if you have any questions on the above or the attached.

Sincerely,

MSB Investors, LLC

John Dewey
CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational

		Friday (1/7/22)	Friday (1/14/22)	Friday (1/21/22)	Friday (1/28/22)	Friday (2/4/22)	Friday (2/11/22)	Friday (2/18/22)	Friday (2/28/22)	Friday (3/4/22)	Friday (3/11/22)	Friday (3/18/22)	Friday (3/25/22)	Friday (4/1/22)	Friday (4/8/22)	Friday (4/15/22)	Friday (4/22/22)	Friday (4/29/22)	Friday (5/6/22)	Friday (5/13/22)	Friday (5/20/22)	Friday (5/27/22)	1/7 - 5/27 Avg.
Point	Location Description	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)
1	East Corner of Tip Floor Rollup Door	0.005	0.003	0.006	0.009	0.004	0.003	0.004	0.009	0.012	0.002	0.009	0.004	0.003	0.004	0.009	0.011	0.028	0.011	0.003	0.004	0.003	0.007
2	Near Residual Pile on Tip Floor	0.003	0.003	0.007	0.006	0.006	0.004	0.003	0.006	0.005	0.009	0.006	0.006	0.004	0.003	0.006	0.023	0.018	0.011	0.004	0.003	0.002	0.007
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.003	0.004	0.007	0.005	0.000	0.003	0.002	0.005	0.004	0.003	0.005	0.000	0.003	0.002	0.005	0.014	0.013	0.009	0.009	0.006	0.005	0.005
4	Between C1450 and C520	0.003	0.005	0.007	0.003	0.000	0.004	0.004	0.003	0.003	0.004	0.003	0.000	0.004	0.004	0.003	0.010	0.013	0.005	0.012	0.005	0.004	0.005
5	Near C740	0.003	0.003	0.003	0.006	0.003	0.005	0.006	0.006	0.002	0.006	0.006	0.003	0.005	0.006	0.006	0.007	0.048	0.006	0.002	0.009	0.003	0.007
6	Near MRF Floor Sump	0.004	0.003	0.004	0.004	0.003	0.003	0.006	0.004	0.002	0.004	0.004	0.003	0.003	0.006	0.004	0.010	0.014	0.006	0.009	0.006	0.005	0.005
7	Between C500 and Eyewash, In Front of Control Room	0.004	0.004	0.008	0.004	0.002	0.004	0.004	0.004	0.003	0.005	0.004	0.002	0.004	0.004	0.004	0.020	0.032	0.008	0.004	0.006	0.000	0.006
8	Between T930 and C980	0.007	0.004	0.006	0.004	0.000	0.004	0.008	0.004	0.007	0.004	0.004	0.000	0.004	0.008	0.004	0.009	0.029	0.007	0.003	0.004	0.003	0.006
9	Between T920 and T930	0.003	0.003	0.006	0.005	0.000	0.003	0.008	0.005	0.006	0.003	0.005	0.000	0.003	0.008	0.005	0.012	0.040	0.006	0.004	0.003	0.002	0.006
10	Between T180 and T120	0.004	0.003	0.001	0.005	0.001	0.004	0.005	0.005	0.002	0.003	0.005	0.001	0.004	0.005	0.005	0.013	0.035	0.005	0.009	0.006	0.005	0.006
11	Between M140 and D101	0.003	0.002	0.002	0.006	0.000	0.006	0.004	0.006	0.003	0.003	0.006	0.000	0.006	0.004	0.006	0.021	0.047	0.005	0.011	0.023	0.014	0.008
12	Between Trommels	0.001	0.003	0.004	0.004	0.001	0.006	0.004	0.004	0.003	0.004	0.004	0.001	0.006	0.004	0.004	0.020	0.038	0.009	0.028	0.018	0.013	0.009
13	Between AWS 550s	0.002	0.003	0.004	0.004	0.001	0.004	0.003	0.004	0.003	0.004	0.004	0.001	0.004	0.003	0.004	0.021	0.036	0.009	0.011	0.011	0.009	0.007

Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	East Corner of Tip Floor Rollup Door	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.095
2	Near Residual Pile on Tip Floor	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.143
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.071
4	Between C1450 and C520	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.095
5	Near C740	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.119
6	Near MRF Floor Sump	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.119
7	Between C500 and Eyewash, In Front of Control Room	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.500	0.500	0.190
8	Between T930 and C980	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.095
9	Between T920 and T930	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.500	1.000	1.000	0.000	1.000	0.000	0.000	0.000	0.500	0.000	0.000	0.238
10	Between T180 and T120	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.095
11	Between M140 and D101	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.143
12	Between Trommels	0.000	0.000	0.000	0.000	0.500	0.500	0.050	0.000	0.000	0.000	0.000	0.500	0.500	0.050	0.000	0.000	1.000	0.500	0.500	1.000	0.000	0.243
13	Between AWS 550s	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	0.190

Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	East Corner of Tip Floor Rollup Door	11.0	13	13	11.5	15.4	10.9	15	11.5	12.6	23.0	34.0	24.2	57.9	35.2	37.1	16.7	44.2	15.4	25.2	6.4	6.3	20.9
2	Near Residual Pile on Tip Floor	10.5	12.5	22.6	13.7	25.2	11.8	14.1	13.7	12.2	38.4	24.8	24.7	16.7	34.5	9.3	17.1	26.3	10.9	11.8	11.4	13.3	17.9
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	8.5	9.9	27.3	9.8	6.4	11.4	13.3	9.8	8.7	27.1	40.5	42.2	50.2	49.9	17	15.6	18.6	15	14.1	13.3	18.7	20.3
4	Between C1450 and C520	9.5	10.3	12.5	12.7	6.3	13.3	18.7	12.7	10	33.2	10.5	8.5	9.5	46.4	9.1	11.7	16.3	11.5	13.7	9.8	12.7	14.2
5	Near C740	46.4	14.5	42.3	11.8	13.3	17.8	10.8	11.8	16.5	33.9	12.5	9.9	10.3	14.5	11.1	14.4	21.5	12.6	12.2	8.7	10	17.0
6	Near MRF Floor Sump	9.1	11.1	19.9	9.2	4.7	10.0	8	9.2	9.2	22.7	22.6	27.3	12.5	42.3	19.9	14.8	18.1	23.0	38.4	27.1	33.2	18.7
7	Between C500 and Eyewash, In Front of Control Room	29.3	13.9	19.2	20.1	8.2	17.0	34.8	20.1	19.3	67.1	31.3	26.6	51.4	49.0	52.1	19.7	23.5	34.0	24.8	40.5	10.5	29.2
8	Between T930 and C980	29.8	15.4	40.5	24.0	17.7	25.7	23.1	24.0	16.7	42.4	38.5	30.6	74.3	72.4	61.8	22.3	18.4	24.2	24.7	42.2	8.5	32.2
9	Between T920 and T930	7.3	16.4	33.1	19.7	21.7	20.4	15.3	19.7	17.2	51.9	48.9	48.8	72.8	81.4	67.2	21.6	19.5	57.9	16.7	50.2	9.5	34.2
10	Between T180 and T120	16.2	25.5	42.2	21.7	16.6	24.3	20.5	21.7	29.8	22.6	29.8	7.3	16.2	95.7	14.3	24.5	23.2	35.2	34.5	49.9	46.4	29.4
11	Between M140 and D101	95.7	23.6	40.8	24.1	18.1	24.4	21.6	24.1	23.7	65.5	15.4	16.4	25.5	23.6	22.3	27.2	22.4	37.1	9.3	17	9.1	27.9
12	Between Trommels	14.3	22.3	37.6	27.0	17.3	29.4	170.2	27.0	26.2	77.8	40.5	33.1	42.2	40.8	37.6	26.1	35.4	16.7	17.1	15.6	11.7	36.5
13	Between AWS 550s	54.0	20.3	40.8	17.3	26.7	15.6	34.4	12.5	42.3	19.9	19.2	40.5	33.1	42.2	18.2	29.6	37.1	44.2	26.3	18.6	16.3	29.0

Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	East Corner of Tip Floor Rollup Door	14.3	21.1	20.4	19.1	25.3	16.5	23.3	19.1	20.1	36.9	20.1	44.4	35.2	27.7	50.8	12.0	58.3	20.4	35.5	26.4	18.8	26.9
2	Near Residual Pile on Tip Floor	15.5	24.3	35.5	18.9	37.8	18.1	21.3	18.9	18.2	62.7	26.5	52.4	38.7	34.6	48.1	15.5	40.3	19.1	18.9	17.2	21.1	28.7
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	13.2	19.1	26.4	17.2	9.7	16.9	19.6	17.2	15.1	45.1	28.4	90.5	27.5	43.6	56.1	16.9	28.3	25.3	37.8	9.7	9.0	27.3
4	Between C1450 and C520	15.2	34.7	18.8	21.1	9.0	19.6	28.6	21.1	14.7	52.1	14.0	59.9	38.6	90.3	56.1	18.1	26.3	16.5	18.1	16.9	19.6	29.0
5	Near C740	79.3	33.5	63.8	23.3	21.1	27.3	17	23.3	25.5	51.8	14.1	43.8	39.1	23.9	53.8	23.6	32.0	23.3	21.3	19.6	28.6	32.8
6	Near MRF Floor Sump	13.6	21.1	30.1	14.3	7.3	14.5	12.3	14.3	16.1	34.4	26.22	65.2	65.8	78.4	77.7	16.3	27.3	19.1	18.9	17.2	21.1	29.1
7	Between C500 and Eyewash, In Front of Control Room	44.9	32.2	29.6	31.3	12.9	25.3	55.8	31.3	30	108.1	14.3	15.5	13.2	15.2	79.3	27.6	36.2	20.1	18.2	15.1	14.7	31.9
8	Between T930 and C980	47.2	24.7	62.1	36.9	20.9	41.9	39.4	36.9	24.8	65.8	21.1	24.3	19.1	34.7	33.5	28.0	28.9	36.9	62.7	45.1	52.1	37.5
9	Between T920 and T930	9.9	26.8	53.4	27.6	34.6	33.3	24.4	27.6	26.8	65.0	20.4	35.5	26.4	18.8	63.8	28.3	31.2	20.1	26.5	28.4	14.0	30.6
10	Between T180 and T120	24.3	43.4	62.1	38.9	25.9	40.6	33.5	38.9	46.5	39.0	19.1	18.9	17.2	21.1	23.3	32.5	38.2	44.4	52.4	90.5	59.9	38.6
11	Between M140 and D101	84.4	34.6	62.0	37.3	28.9	39.9	35.8	37.3	35.7	101.5	25.3	37.8	9.7	9.0	21.1	27.4	34.9	35.2	38.7	27.5	38.6	38.2
12	Between Trommels	22.5	45.3	60.2	47.7	25.7	48	283	47.7	42.1	127.7	16.5	18.1	16.9	19.6	27.3	45.6	56.8	27.7	34.6	43.6	90.3	54.6
13	Between AWS 550s	82.4	25.3	69.3	26.9	42.6	22.8	57.8	26.9	22.3	69.5	23.3	21.3	19.6	28.6	17	50.1	60.2	50.8	48.1	56.1	56.1	41.8

All of the rollup doors were open

The MRF abstraction fans were off/on

The Tip Floor abstraction fans were on at 30 Hz

Jerome 631-x used for hydrogen sulfide measurements Eagle 2 used for ammonia measurements

APPENDIX B - MRF BUILDING PLAN

BUILDING AREA TABULATION

			OCCUPANCY	NON OCCUPIED	DIFFICES (B)	FACTORY (F-1)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F & S OCCUPANTS
MRF											
LEVEL 1											
	001	ENTRY LOBBY	B								
	002	INTERIOR STAIR	B								
	003	Not Used									
	004	MACHINE ROOM	B								
		ELEVATOR	B								
	005	SORTING	F1								
	006	TIP	S1								
	C1	COMPRESSOR	F1								
	E1	ELECTRICAL	S1								
LEVEL 1 TOTAL											
MEZZANINE 1											
	100	INTERIOR STAIR	B								
		ELEVATOR SHAFT									
	101	Not Used									
	102	STAIR LOBBY	B								
	103	ELEVATOR	B								
	104	LOBBY	B								
	105	MULTI-PURPOSE	B								
	106	STORAGE 2	B								
	107	MW 1	B								
	108	MW 2	B								
	109	CONFERENCE	B								
	110	OFFICE 1	B								
	111	OFFICE 2	B								
	112	OFFICE 3	B								
	113	OFFICE 4	B								
	114	LOCKER	B								
	115	SHOWER	B								
	116	MW 3	B								
	117	BREAK	B								
	118	STORAGE 3	B								
	119	HALL 1	B								
	120	HALL 2	B								
	121	HALL 3	B								
	122	STORAGE 3	B								
MEZZANINE 1 TOTAL											
MEZZANINE 2											
	200	INTERIOR STAIR	B								
	201	Not Used									
	202	STAIR LOBBY	B								
	203	JAN.	B								
		ELEVATOR SHAFT									
	204	LOBBY	B								
	205	OPEN OFFICE	B								
	206	OFFICE 1	B								
	207	OFFICE 2	B								
	208	OFFICE 3	B								
	209	CONFERENCE	B								
	210	BREAK	B								
	211	WOMEN	B								
	212	MEN	B								
	213	STORAGE	B								
	214	HALL	B								
MEZZANINE 2 TOTAL											
BUILDING TOTAL											

NOTE:

1. AREAS ARE GROSS SQUARE FEET, CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW

ALLOWABLE BUILDING AREA

PERIMETER AND OPEN SPACE INFORMATION (CBC 506)

NOTE: MRF FIT-UP

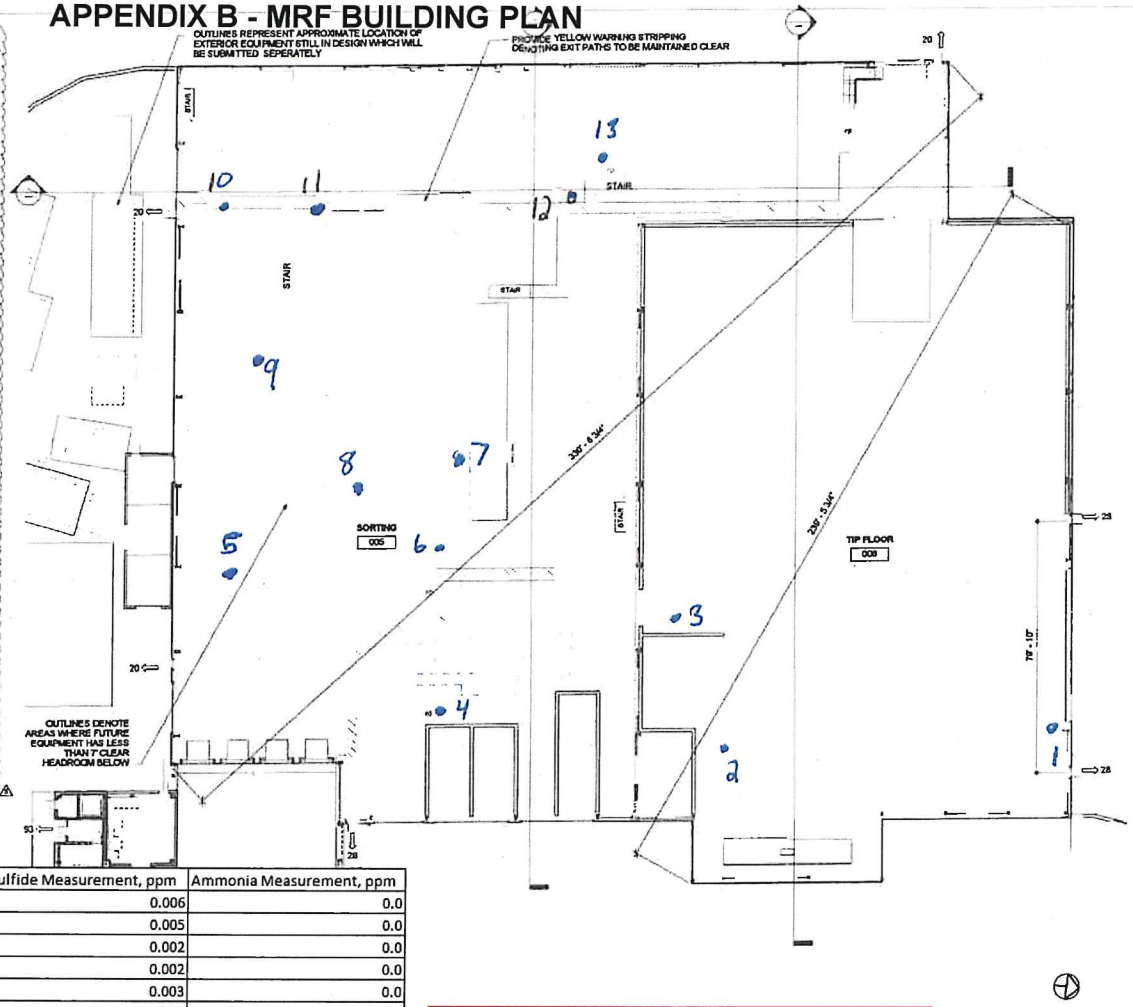
Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

M Measurements taken around 10-11am on 4/21/2021
The facility was running MSW
Most of the rollup doors were open
The MRF abstraction fans were off
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements

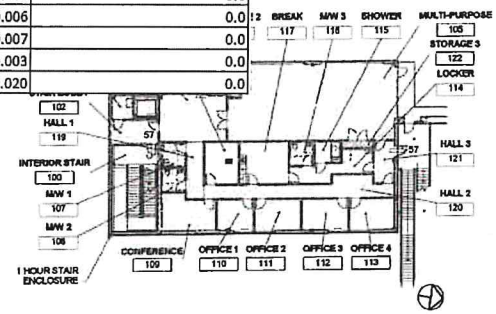
	SERVICE SINKS	DRINKING FOUNTAINS
WOMEN		
1-50:1		1-100:1
51-80:1		
80-1:1		
1	1	1
2	2	1 WATER COOLER

RE: TO THE SPACES, SE HERE.

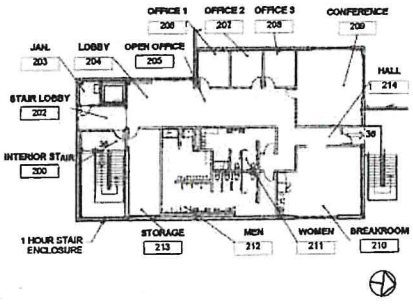
THE SORT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER WILL BE RUN OVERHEAD ON THE SORTING EQUIPMENT, AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.



Sample Locations Are Approximate



② MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



③ MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
363 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

CONSTRUCTION
DIANI COMPANIES
Santa Maria

381 NORTH BLOSSER ROAD
PO BOX 8797
SANTA MARIA, CA 93456 - 8797
(805) 925-6633
FAX (805) 928-2160

MSB Investors, LLC
17 Corporate Plaza, Suite 200
Newport Beach, CA 92660

330 Acoma Place
Arroyo Grande, CA 93420
(805) 473 - 2771
gmadjedi@gwmarchitect.com

GARY W. MADJEDI, ARCHITECT

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
1	Addenda PC 2	10/15/19	
2	Plan Check 2	9/13/19	

REVISIONS

STATUS REVIEW
DATE 6/4/19
PROJECT NO 190201

SHEET NAME
EXITING PLANS

SHEET NO
G200

MUSTANG RENEWABLE POWER VENTURES

17 Corporate Plaza Drive, Suite 200
Newport Beach, CA 92660
O: 805.259.9499

July 15, 2022

Aimee Long
Air Quality Specialist
Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110

Permit: ATC 14500 02
H.B. Case No. 2021-12-R

RE: MSB Investors, LLC
ReSource Center (formerly Tajiguas Resource Recovery Project)
Variance Update Due to Alisal Fire Impact

Aimee:

In response to the Variance granted by the Hearing Board on December 1, 2021 in connection with H.B. Case No. 2021-12-R we offer the following report:

Our air quality consultant, AECOM, worked closely with the District engineers over the past 6 months in responding to their requests for additional AQ/HRA analysis related to the MRF biofilter facilities. This was submitted to District engineering on July 1st.

Our general contractor, Diani Building Corp., Santa Maria, CA, has completed a detailed estimate for the repairs and replacement of the baghouse filters adjacent to the damaged MRF biofilter facilities. The estimated dates for completion of the repair and replacement of the baghouse filters is January 2023, based on Diani's estimated 16 week construction schedule estimated to commence as of October 1st following completion of a CEQA analysis of the repair and replacement project and Board of Supervisors (BOS) approval of such anticipated for September 2022. Our goal of course is to have the damaged equipment repaired and replaced with emission control systems approved by the District's engineering staff on or prior to the expiration of this Variance. Considering the estimated timeframe to complete the CEQA analysis, BOS approval and Diani construction we will need to consider an extension of our Variance due to expire at the end of October. Please advise what steps we should take to process an extension or new Variance.

As stated in our petition for the Variance, we took preventative measures once the scrubbers became non-operational such as additional building ventilation and indoor air monitoring on a weekly basis. The indoor air monitoring continues to observe indoor air measurements of H2S and NH3 of approximately 2-5% of the MRF biofilter emission limits. The indoor air levels of H2S and NH3 were and continue to be extremely low due to the speed at which organic waste is processed through the building to loadout trucks for transfer to the ADF for further processing in-vessel.

Attached please find a schedule, Appendix A – MRF Indoor Air Sampling, showing the indoor air measurements of H2S, NH3, PM 2.5 and PM 10 taken at 13 locations inside the MRF building depicted on Appendix B – MRF Building Plan over the period from January 7, 2021 through June 30, 2022 (i.e., a 6-month lookback).

Please let me know if you have any questions on the above or the attached.

Sincerely,

MSB Investors, LLC

John Dewey
CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational

		Friday (1/7/22)	Friday (1/14/22)	Friday (1/21/22)	Friday (1/28/22)	Friday (2/4/22)	Friday (2/11/22)	Friday (2/18/22)	Friday (2/28/22)	Friday (3/4/22)	Friday (3/11/22)	Friday (3/18/22)	Friday (3/25/22)	Friday (4/1/22)	Friday (4/8/22)	Friday (4/15/22)	Friday (4/22/22)	Friday (4/29/22)	Friday (5/6/22)	Friday (5/13/22)	Friday (5/20/22)	Friday (5/27/22)	Friday (6/3/22)	Friday (6/10/22)	Friday (6/17/22)	Friday (6/23/22)	Friday (6/30/22)	1/7 - 6/30 Avg.
Point	Location Description	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)
1	East Corner of Tip Floor Rollup Door	0.005	0.003	0.006	0.009	0.004	0.003	0.004	0.009	0.012	0.002	0.009	0.004	0.003	0.004	0.009	0.011	0.028	0.011	0.003	0.004	0.003	0.004	0.005	0.003	0.004	0.008	0.007
2	Near Residual Pile on Tip Floor	0.003	0.003	0.007	0.006	0.006	0.004	0.003	0.006	0.005	0.009	0.006	0.006	0.004	0.003	0.006	0.023	0.018	0.011	0.004	0.003	0.002	0.004	0.006	0.006	0.004	0.004	0.006
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.003	0.004	0.007	0.005	0.000	0.003	0.002	0.005	0.004	0.003	0.005	0.000	0.003	0.002	0.005	0.014	0.013	0.009	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.007	0.005
4	Between C1450 and C520	0.003	0.005	0.007	0.003	0.000	0.004	0.004	0.003	0.003	0.004	0.003	0.000	0.004	0.004	0.003	0.010	0.013	0.005	0.012	0.005	0.004	0.003	0.002	0.002	0.003	0.004	0.004
5	Near C740	0.003	0.003	0.003	0.006	0.003	0.005	0.006	0.006	0.002	0.006	0.006	0.003	0.005	0.006	0.006	0.007	0.048	0.006	0.002	0.009	0.003	0.004	0.006	0.004	0.005	0.004	0.006
6	Near MRF Floor Sump	0.004	0.003	0.004	0.004	0.003	0.003	0.006	0.004	0.002	0.004	0.004	0.003	0.003	0.006	0.004	0.010	0.014	0.006	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.000	0.005
7	Between C500 and Eyewash, In Front of Control Room	0.004	0.004	0.008	0.004	0.002	0.004	0.004	0.004	0.003	0.005	0.004	0.002	0.004	0.004	0.004	0.020	0.032	0.008	0.004	0.006	0.000	0.000	0.003	0.003	0.002	0.004	0.005
8	Between T930 and C980	0.007	0.004	0.006	0.004	0.000	0.004	0.008	0.004	0.007	0.004	0.004	0.000	0.004	0.008	0.004	0.009	0.029	0.007	0.003	0.004	0.003	0.004	0.005	0.003	0.004	0.008	0.006
9	Between T920 and T930	0.003	0.003	0.006	0.005	0.000	0.003	0.008	0.005	0.006	0.003	0.005	0.000	0.003	0.008	0.005	0.012	0.040	0.006	0.004	0.003	0.002	0.004	0.006	0.006	0.004	0.004	0.006
10	Between T180 and T120	0.004	0.003	0.001	0.005	0.001	0.004	0.005	0.005	0.002	0.003	0.005	0.001	0.004	0.005	0.005	0.013	0.035	0.005	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.009	0.006
11	Between M140 and D101	0.003	0.002	0.002	0.006	0.000	0.006	0.004	0.006	0.003	0.003	0.006	0.000	0.006	0.004	0.006	0.021	0.047	0.005	0.011	0.023	0.014	0.010	0.007	0.010	0.020	0.029	0.010
12	Between Trommels	0.001	0.003	0.004	0.004	0.001	0.006	0.004	0.004	0.003	0.004	0.004	0.001	0.006	0.004	0.004	0.020	0.038	0.009	0.028	0.018	0.013	0.013	0.048	0.014	0.032	0.007	0.011
13	Between AWS 550s	0.002	0.003	0.004	0.004	0.001	0.004	0.003	0.004	0.003	0.004	0.004	0.001	0.004	0.003	0.004	0.021	0.036	0.009	0.011	0.011	0.009	0.005	0.006	0.006	0.008	0.012	0.007

Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	East Corner of Tip Floor Rollup Door	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.077
2	Near Residual Pile on Tip Floor	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.115
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.058
4	Between C1450 and C520	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.077
5	Near C740	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.096
6	Near MRF Floor Sump	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.135
7	Between C500 and Eyewash, In Front of Control Room	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.250
8	Between T930 and C980	0.500	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.000	0.096
9	Between T920 and T930	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.500	1.000	1.000	0.000	1.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.212
10	Between T180 and T120	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.000	0.115
11	Between M140 and D101	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.135
12	Between Trommels	0.000	0.000	0.000	0.000	0.500	0.500	0.050	0.000	0.000	0.000	0.000	0.500	0.500	0.050	0.000	0.000	1.000	0.500	0.500	1.000	0.000	0.000	0.000	0.000	0.500	0.000	0.215
13	Between AWS 550s	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.154

Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	East Corner of Tip Floor Rollup Door	11.0	13	13	11.5	15.4	10.9	15	11.5	12.6	23.0	34.0	24.2	57.9	35.2	37.1	16.7	44.2	15.4	25.2	6.4	6.3	13.3	4.7	8.2	17.7	21.7	19.4
2	Near Residual Pile on Tip Floor	10.5	12.5	22.6	13.7	25.2	11.8	14.1	13.7	12.2	38.4	24.8	24.7	16.7	34.5	9.3	17.1	26.3	10.9	11.8	11.4	13.3	17.8	10.0	17.0	25.7	20.4	17.9
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	8.5	9.9	27.3	9.8	6.4	11.4	13.3	9.8	8.7	27.1	40.5	42.2	50.2	49.9	17	15.6	18.6	15	14.1	13.3	18.7	10.8	8	34.8	23.1	15.3	20.0
4	Between C1450 and C520	9.5	10.3	12.5	12.7	6.3	13.3	18.7	12.7	10	33.2	10.5	8.5	9.5	46.4	9.1	11.7	16.3	11.5	13.7	9.8	12.7	11.8	9.2	20.1	24.0	19.7	14.8
5	Near C740	46.4	14.5	42.3	11.8	13.3	17.8	10.8	11.8	16.5	33.9	12.5	9.9	10.3	14.5	11.1	14.4	21.5	12.6	12.2	8.7	10	16.5	9.2	19.3	16.7	17.2	16.8
6	Near MRF Floor Sump	9.1	11.1	19.9	9.2	4.7	10.0	8	9.2	9.2	22.7	22.6	27.3	12.5	42.3	19.9	14.8	18.1	23.0	38.4	27.1	33.2	33.9	22.7	67.1	42.4	51.9	23.5
7	Between C500 and Eyewash, In Front of Control Room	29.3	13.9	19.2	20.1	8.2	17.0	34.8	20.1	19.3	67.1	31.3	26.6	51.4	49.0	52.1	19.7	23.5	34.0	24.8	40.5	10.5	12.5	22.6	31.3	38.5	48.9	29.5
8	Between T930 and C980	29.8	15.4	40.5	24.0	17.7	25.7	23.1	24.0	16.7	42.4	38.5	30.6	74.3	72.4	61.8	22.3	18.4	24.2	24.7	42.2	8.5	9.9	27.3	26.6	30.6	48.8	31.6
9	Between T920 and T930	7.3	16.4	33.1	19.7	21.7	20.4	15.3	19.7	17.2	51.9	48.9	48.8	72.8	81.4	67.2	21.6	19.5	57.9	16.7	50.2	9.5	10.3	12.5	51.4	74.3	72.8	36.1
10	Between T180 and T120	16.2	25.5	42.2	21.7	16.6	24.3	20.5	21.7	29.8	22.6	29.8	7.3	16.2	95.7	14.3	24.5	23.2	35.2	34.5	49.9	46.4	14.5	42.3	49.0	72.4	81.4	33.8
11	Between M140 and D101	95.7	23.6	40.8	24.1	18.1	24.4	21.6	24.1	23.7	65.5	15.4	16.4	25.5	23.6	22.3	27.2	22.4	37.1	9.3	17	9.1	11.1	19.9	52.1	61.8	67.2	30.7
12	Between Trommels	14.3	22.3	37.6	27.0	17.3	29.4	170.2	27.0	26.2	77.8	40.5	33.1	42.2	40.8	37.6	26.1	35.4	16.7	17.1	15.6	11.7	14.4	14.8	19.7	22.3	21.6	33.0
13	Between AWS 550s	54.0	20.3	40.8	17.3	26.7	15.6	34.4	12.5	42.3	19.9	19.2	40.5	33.1	42.2	18.2	29.6	37.1	44.2	26.3	18.6	16.3	21.5	18.1	23.5	18.4	19.5	27.3

Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	East Corner of Tip Floor Rollup Door	14.3	21.1	20.4	19.1	25.3	16.5	23.3	19.1	20.1	36.9	20.1	44.4	35.2	27.7	50.8	12.0	58.3	20.4	35.5	26.4	18.8	63.8	30.1	29.6	62.1	53.4	31.0
2	Near Residual Pile on Tip Floor	15.5	24.3	35.5	18.9	37.8	18.1	21.3	18.9	18.2	62.7	26.5	52.4	38.7	34.6	48.1	15.5	40.3	19.1	18.9	17.2	21.1	23.3	14.3	31.3	36.9	27.6	28.3
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Fl	13.2	19.1	26.4	17.2	9.7	16.9	19.6	17.2	15.1	45.1	28.4	90.5	27.5	43.6	56.1	16.9	28.3	25.3	37.8	9.7	9.0	21.1	7.3	12.9	20.9	34.6	25.7
4	Between C1450 and C520	15.2	34.7	18.8	21.1	9.0	19.6	28.6	21.1	14.7	52.1	14.0	59.9	38.6	90.3	56.1	18.1	26.3	16.5	18.1	16.9	19.6	27.3	14.5	25.3	41.9	33.3	28.9
5	Near C740	79.3	33.5	63.8	23.3	21.1	27.3	17.	23.3	25.5	51.8	14.1	43.8	39.1	23.9	53.8	23.6	32.0	23.3	21.3	19.6	28.6	17	12.3	55.8	39.4	24.4	32.2
6	Near MRF Floor Sump	13.6	21.1	30.1	14.3	7.3	14.5	12.3	14.3	16.1	34.4	26.22	65.2	65.8	78.4	77.7	16.3	27.3	19.1	18.9	17.2	21.1	23.3	14.3	31.3	36.9	27.6	28.6
7	Between C500 and Eyewash, In Front of Control Room	44.9	32.2	29.6	31.3	12.9	25.3	55.8	31.3	30	108.1	14.3	15.5	13.2	15.2	79.3	27.6	36.2	20.1	18.2	15.1	14.7	25.5	16.1	30	24.8	26.8	30.5
8	Between T930 and C980	47.2	24.7	62.1	36.9	20.9	41.9	39.4	36.9	24.8	65.8	21.1	24.3	19.1	34.7	33.5	28.0	28.9	36.9	62.7	45.1	52.1	51.8	34.4	108.1	65.8	65.0	42.8
9	Between T920 and T930	9.9	26.8	53.4	27.6	34.6	33.3	24.4	27.6	26.8	65.0	20.4	35.5	26.4	18.8	63.8	28.3	31.2	20.1	26.5	28.4	14.0	14.1	26.22	14.3	21.1	20.4	28.4
10	Between T180 and T120	24.3	43.4	62.1	38.9	25.9	40.6	33.5	38.9	46.5	39.0	19.1	18.9	17.2	21.1	23.3	32.5	38.2	44.4	52.4	90.5	59.9	43.8	65.2	15.5	24.3	35.5	38.3
11	Between M140 and D101	84.4	34.6	62.0	37.3	28.9	39.9	35.8	37.3	35.7	101.5	25.3	37.8	9.7	9.0	21.1	27.4	34.9	35.2	38.7	27.5	38.6	39.1	65.8	13.2	19.1	26.4	37.2
12	Between Trommels	22.5	45.3	60.2	47.7	25.7	48	283	47.7	42.1	127.7	16.5	18.1	16.9	19.6	27.3	45.6	56.8	27.7	34.6	43.6	90.3	23.9	78.4	15.2	34.7	18.8	50.7
13	Between AWS 550s	82.4	25.3	69.3	26.9	42.6	22.8	57.8	26.9	22.3	69.5	23.3	21.3	19.6	28.6	17	50.1	60.2	50.8	48.1	56.1	56.1	53.8	77.7	79.3	33.5	63.8	45.6

All of the rollup doors were open

The MRF abstraction fans were off/on

The Tip Floor abstraction fans were on at 30 Hz

Jerome 631-x used for hydrogen sulfide measurements Eagle 2 used for ammonia measurements

APPENDIX B - MRF BUILDING PLAN

BUILDING AREA TABULATION

		OCCUPANCY	NON OCCUPIED	OFFICES (B)	FACTORY (F-1)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F & S OCCUPANTS
MRF										
LEVEL 1										
001	ENTRY LOBBY	B		100			100	1.0	1.0	
002	INTERIOR STAIR	B		480			100	4.8	4.8	
003	NOT USED									
004	MAIN LINE ROOM	B				84	300	0.3		0.3
	ELEVATOR	B				12	300	0.0	0.0	
005	SORTING	F1			35,210		300	70.4		70.4
006	TIP	S1			27,000		300	57.0		57.0
C1	COMPRESSOR	F1			710		300	2.4		2.4
E1	ELECTRICAL	S1				133	300	0.4		0.4
			0	580	35,920	97,133		130.6	6.7	130.0
LEVEL 1 TOTAL						97,133				
MEZZANINE 1										
100	INTERIOR STAIR	B		100			100	1.0	1.0	
	ELEVATOR SHAFT		63							
101	NOT USED									
102	STAIR LOBBY	B		220			100	2.2	2.2	
103	ELEVATOR	B		63			100	0.6	0.6	
104	LOBBY	B		900			100	9.0	9.0	
105	MULTI-PURPOSE	B		1,340			100	13.4	13.4	
106	STORAGE 2	B		60			300	0.2		0.2
107	M/W 1	B		65			100	0.7	0.7	
108	M/W 2	B		72			100	0.7	0.7	
109	CONFERENCE	B		230			100	2.3	2.3	
110	OFFICE 1	B		130			100	1.3	1.3	
111	OFFICE 2	B		140			100	1.4	1.4	
112	OFFICE 3	B		140			100	1.4	1.4	
113	OFFICE 4	B		170			100	1.7	1.7	
114	LOCKER	B		170			100	1.7	1.7	
115	BREAK	B		60			100	0.6	0.6	
116	M/W 3	B		60			100	0.6	0.6	
117	BREAK	B		210			100	2.1	2.1	
118	STORAGE 3	B		130			300	0.4		0.4
119	HALL 1	B		300			100	3.0	3.0	
120	HALL 2	B		330			100	3.3	3.3	
121	HALL 3	B		300			100	3.0	3.0	
122	STORAGE 3	B		80			300	0.3		0.3
			63	4,240	0	0		114.2	108.7	4.2
MEZZANINE 1 TOTAL						4,313				
MEZZANINE 2										
200	INTERIOR STAIR	B		120			100	1.2	1.2	
201	MZ M/W									
202	STAIR LOBBY	B		110			100	1.1	1.1	
203	JAN.	B		67			300	0.2	0.2	
	ELEVATOR SHAFT		63							
204	LOBBY	B		540			100	5.4	5.4	
205	OPEN OFFICE	B		410			100	4.1	3.3	
206	OFFICE 1	B		140			100	1.4	1.4	
207	OFFICE 2	B		130			100	1.3	1.3	
208	OFFICE 3	B		140			100	1.4	1.4	
209	CONFERENCE	B		530			100	5.3	5.3	
210	BREAK	B		640			100	6.4	6.4	
211	WOMEN	B		270			100	2.7	2.7	
212	MEN	B		720			100	7.2	7.2	
213	STORAGE	B				130	300	0.4		0.4
214	HALL	B		420			100	4.2	4.2	
			63	5,000	0	130		50.7	49.2	1.0
MEZZANINE 2 TOTAL						4,313				
BUILDING TOTAL			126	9,722	35,920	101,879		335.5	157.6	140

NOTE:

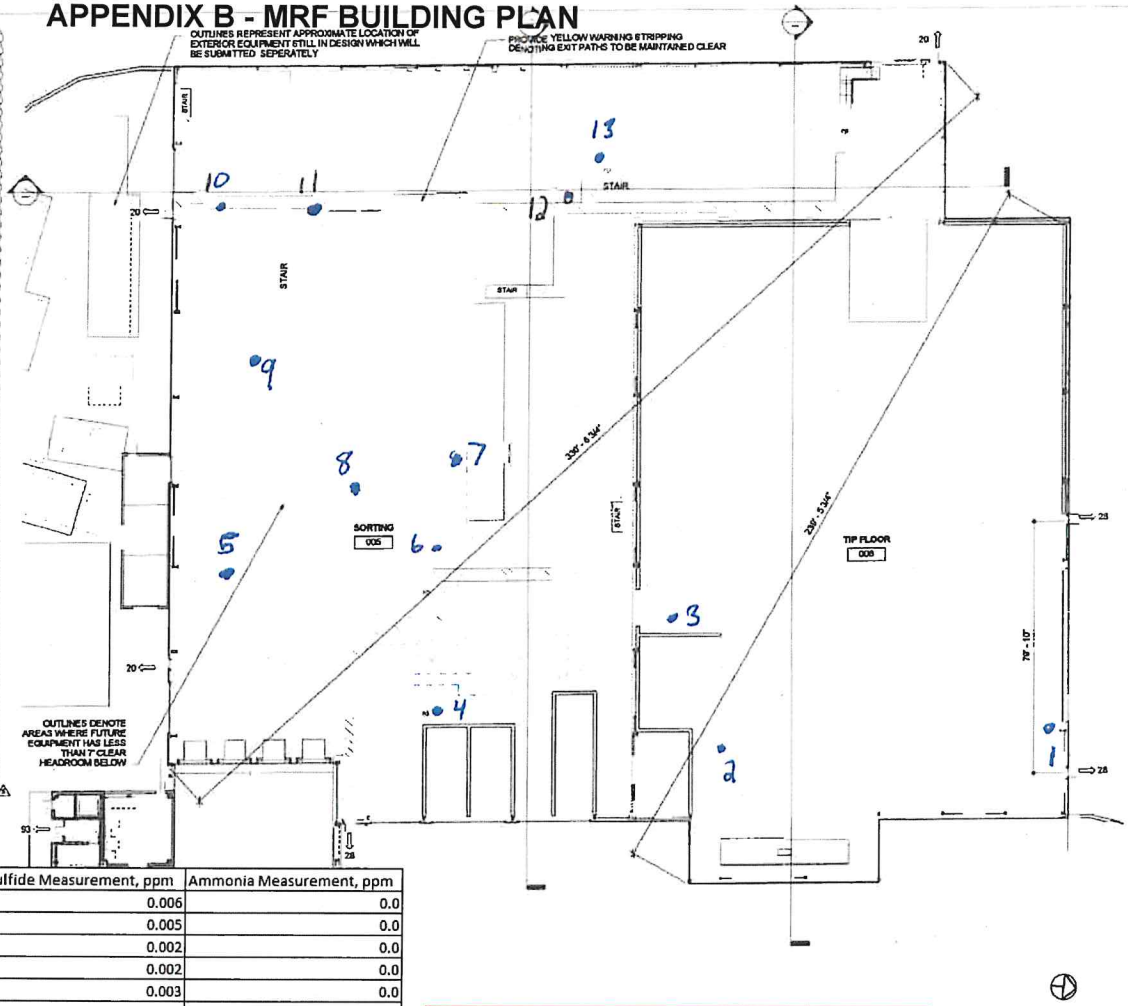
1. AREAS ARE GROSS SQUARE FEET, CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW

ALLOWABLE BUILDING AREA

PERIMETER AND OPEN SPACE INFORMATION (CBC 506)

NOTE: MRF FIT-UP



Sample Locations Are Approximate

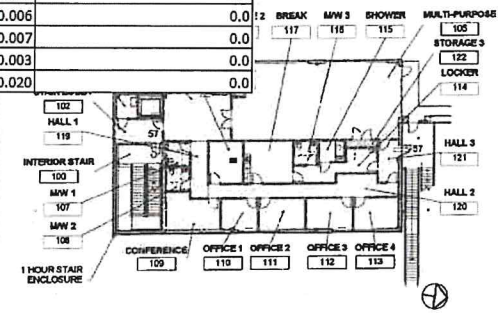
Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

Measurements taken around 10-11am on 4/21/2021
The facility was running MSW
Most of the rollup doors were open
The MRF abstraction fans were off
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements

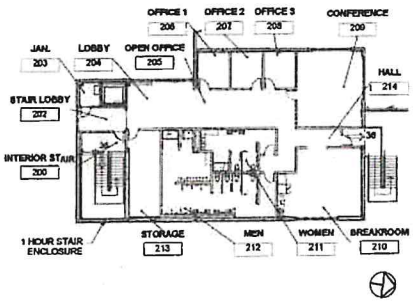
	SERVICE SINKS	DRINKING FOUNTAINS
OMEN		
250:1		1-100:1
250:1		
500:1		
	1	1
	2	1 WATER COOLER

RS TO THE SPACES.
SE HERE.

THE SORT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER WILL BE RUN OVERHEAD ON THE SORTING EQUIPMENT. AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.



2 MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



3 MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
383 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

CONSTRUCTION
DIANI COMPANIES
Santa Maria

381 NORTH BLOSSER ROAD
PO BOX 6787
SANTA MARIA, CA 93456 - 6787
(805) 925-9633
FAX (805) 928-2150

MSB Investors, LLC
17 Corporate Plaza, Suite 200
Newport Beach, CA 92660

330 Acoma Place
Arroyo Grande, CA 93420
(805) 473 - 2721
gradjedi@gwmedi.com
GARY W. MADJEDI, ARCHITECT

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
0	Acoma PC 2	10/15/18	
1	PERMIT 2	8/13/19	

REVISIONS

STATUS: REVISION
DATE: 8/2/19
PROJECT NO: 180301

SHEET NAME:
EXITING PLANS

SHEET NO:
G200

MUSTANG RENEWABLE POWER VENTURES

17 Corporate Plaza Drive, Suite 200
Newport Beach, CA 92660
O: 805.259.9499

August 15, 2022

Aimee Long
Air Quality Specialist
Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110

Permit: ATC 14500 05
H.B. Case No. 2021-12-R

RE: MSB Investors, LLC
ReSource Center (formerly Tajiguas Resource Recovery Project)
Variance Update Due to Alisal Fire Impact

Aimee:

In response to the Variance granted by the Hearing Board on December 1, 2021 in connection with H.B. Case No. 2021-12-R we offer the following request:

Our air quality consultant, AECOM, worked closely with the District engineers over the past 12 months in responding to their requests for additional AQ/HRA analysis related to the MRF biofilter facilities. This was submitted to District engineering on July 1st and has been the source of continuous discussions with the district staff since then.

Our general contractor, Diani Building Corp., Santa Maria, CA, has completed a detailed estimate for the repairs and replacement of the baghouse filters adjacent to the damaged MRF biofilter facilities. The estimated dates for completion of the repair and replacement of the baghouse filters is now May-June 2023, based on Diani's estimated 16 week construction schedule estimated to commence as of January 2023t following completion of a CEQA analysis of the repair and replacement project and Board of Supervisors (BOS) approval of such anticipated for December 2022 or January 2023. Our goal of course is to have the damaged equipment repaired and replaced with emission control systems approved by the District's engineering staff on or prior to the expiration of this Variance. Considering the estimated timeframe to complete the CEQA analysis, BOS approval and Diani construction we will need to consider an extension of our Variance due to expire at the end of October. Please advise what steps we should take to process an extension or new Variance.

As stated in our petition for the Variance, we took preventative measures once the scrubbers became non-operational such as additional building ventilation and indoor air monitoring on a weekly basis. The indoor air monitoring continues to observe indoor air measurements of H2S and NH3 of approximately 2-5% of the MRF biofilter emission limits. The indoor air levels of H2S and NH3 were and continue to be extremely low due to the speed at which organic waste is processed through the building to loadout trucks for transfer to the ADF for further processing in-vessel.

Attached please find a schedule, Appendix A – MRF Indoor Air Sampling, showing the indoor air measurements of H2S, NH3, PM 2.5 and PM 10 taken at 13 locations inside the MRF building depicted on Appendix B – MRF Building Plan over the period from February through July 29, 2022 (i.e., a 5-month lookback).

Please let me know if you have any questions on the above or the attached.

Sincerely,

MSB Investors, LLC

John Dewey
CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational Biofilters and Baghouses

		Friday (2/4/22)	Friday (2/11/22)	Friday (2/18/22)	Friday (2/28/22)	Friday (3/4/22)	Friday (3/11/22)	Friday (3/18/22)	Friday (3/25/22)	Friday (4/1/22)	Friday (4/8/22)	Friday (4/15/22)	Friday 4/22/2022	Friday (4/29/22)	Friday (5/6/22)	Friday (5/13/22)	Friday (5/20/22)	Friday (5/27/22)	Friday (6/3/22)	Friday (6/10/22)	Friday (6/17/22)	Friday (6/23/22)	Friday (6/30/22)	Friday 7/15/2022	Friday 7/22/2022	Friday 7/29/2022	2/4/22 - 7/29/22
Point	Location Description	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)
1	East Corner of Tip Floor Rollup Door	0.004	0.003	0.004	0.009	0.012	0.002	0.009	0.004	0.003	0.004	0.009	0.011	0.011	0.003	0.004	0.003	0.004	0.005	0.003	0.004	0.008	0.011	0.006	0.025	0.003	0.007
2	Near Residual Pile on Tip Floor	0.006	0.004	0.003	0.006	0.005	0.009	0.006	0.006	0.004	0.003	0.006	0.023	0.011	0.004	0.003	0.002	0.004	0.006	0.006	0.004	0.004	0.005	0.005	0.035	0.004	0.007
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.000	0.003	0.002	0.005	0.004	0.003	0.005	0.000	0.003	0.002	0.005	0.014	0.009	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.007	0.001	0.006	0.023	0.003	0.005
4	Between C1450 and C520	0.000	0.004	0.004	0.003	0.003	0.004	0.003	0.000	0.004	0.004	0.003	0.010	0.005	0.012	0.005	0.004	0.003	0.002	0.002	0.003	0.004	0.001	0.002	0.001	0.004	0.004
5	Near C740	0.003	0.005	0.006	0.006	0.002	0.006	0.006	0.003	0.005	0.006	0.006	0.007	0.006	0.002	0.009	0.003	0.004	0.006	0.004	0.005	0.004	0.004	0.001	0.003	0.002	0.005
6	Near MRF Floor Sump	0.003	0.003	0.006	0.004	0.002	0.004	0.004	0.003	0.003	0.006	0.004	0.010	0.006	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.000	0.003	0.004	0.002	0.002	0.004
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.004	0.004	0.004	0.003	0.005	0.004	0.002	0.004	0.004	0.004	0.020	0.008	0.004	0.006	0.000	0.000	0.003	0.003	0.002	0.004	0.003	0.005	0.004	0.003	0.004
8	Between D930 and C980	0.000	0.004	0.008	0.004	0.007	0.004	0.004	0.000	0.004	0.008	0.004	0.009	0.007	0.003	0.004	0.003	0.004	0.005	0.003	0.004	0.008	0.001	0.004	0.003	0.003	0.004
9	Between D290 and D430	0.000	0.003	0.008	0.005	0.006	0.003	0.005	0.000	0.003	0.008	0.005	0.012	0.006	0.004	0.003	0.002	0.004	0.006	0.006	0.004	0.004	0.001	0.002	0.004	0.001	0.004
10	Between D180 and D120	0.001	0.004	0.005	0.005	0.002	0.003	0.005	0.001	0.004	0.005	0.005	0.013	0.005	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.009	0.002	0.002	0.004	0.001	0.005
11	Between M140 and D101	0.000	0.006	0.004	0.006	0.003	0.003	0.006	0.000	0.006	0.004	0.006	0.021	0.005	0.011	0.023	0.014	0.010	0.007	0.010	0.020	0.029	0.005	0.001	0.004	0.002	0.008
12	Between Trommels	0.001	0.006	0.004	0.004	0.003	0.004	0.004	0.001	0.006	0.004	0.004	0.020	0.009	0.028	0.018	0.013	0.013	0.048	0.014	0.032	0.007	0.009	0.006	0.005	0.004	0.011
13	Between AWS 550s	0.001	0.004	0.003	0.004	0.003	0.004	0.004	0.001	0.004	0.003	0.004	0.021	0.009	0.011	0.011	0.009	0.005	0.006	0.006	0.008	0.012	0.008	0.008	0.003	0.001	0.006

Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	East Corner of Tip Floor Rollup Door	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060
2	Near Residual Pile on Tip Floor	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.080
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060
4	Between C1450 and C520	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080
5	Near C740	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060
6	Near MRF Floor Sump	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.500	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.140
7	Between C500 and Eyewash, In Front of Control Room	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.220
8	Between D930 and C980	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080
9	Between D290 and D430	1.000	0.000	0.000	0.000	0.000	0.000	0.500	1.000	1.000	0.000	1.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.220
10	Between D180 and D120	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.100
11	Between M140 and D101	0.500	0.500	0.000	0.000	0.000	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.140
12	Between Trommels	0.500	0.500	0.050	0.000	0.000	0.000	0.000	0.500	0.500	0.050	0.000	0.000	0.500	0.500	1.000	0.000	0.000	0.000	0.000	0.500	0.000	1.000	1.000	0.000	0.500	0.284
13	Between AWS 550s	1.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	1.000	0.000	0.000	0.180

Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	East Corner of Tip Floor Rollup Door	15.4	10.9	15	11.5	12.6	23.0	34.0	24.2	57.9	35.2	37.1	16.7	27.0	25.2	6.4	6.3	13.3	4.7	8.2	17.7	21.7	19.8	22.4	46.7	33.2	21.8
2	Near Residual Pile on Tip Floor	25.2	11.8	14.1	13.7	12.2	38.4	24.8	24.7	16.7	34.5	9.3	17.1	28.7	11.8	11.4	13.3	17.8	10.0	17.0	25.7	20.4	21.5	31.4	29.2	22.2	20.1
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	6.4	11.4	13.3	9.8	8.7	27.1	40.5	42.2	50.2	49.9	17	15.6	30.6	14.1	13.3	18.7	10.8	8	34.8	23.1	15.3	31.0	18.7	16.5	40.4	22.7
4	Between C1450 and C520	6.3	13.3	18.7	12.7	10	33.2	10.5	8.5	9.5	46.4	9.1	11.7	32.6	13.7	9.8	12.7	11.8	9.2	20.1	24.0	19.7	16.7	15.4	10.0	27.6	16.5
5	Near C740	13.3	17.8	10.8	11.8	16.5	33.9	12.5	9.9	10.3	14.5	11.1	14.4	54.9	12.2	8.7	10	16.5	9.2	19.3	16.7	17.2	22.4	34.5	15.0	40.4	18.2
6	Near MRF Floor Sump	4.7	10.0	8	9.2	9.2	22.7	22.6	27.3	12.5	42.3	19.9	14.8	31.3	38.4	27.1	33.2	33.9	22.7	67.1	42.4	51.9	19.6	16.8	11.0	13.0	24.5
7	Between C500 and Eyewash, In Front of Control Room	8.2	17.0	34.8	20.1	19.3	67.1	31.3	26.6	51.4	49.0	52.1	19.7	95.1	24.8	40.5	10.5	12.5	22.6	31.3	38.5	48.9	26.8	22.4	20.8	19.5	32.4
8	Between D930 and C980	17.7	25.7	23.1	24.0	16.7	42.4	38.5	30.6	74.3	72.4	61.8	22.3	59.9	24.7	42.2	8.5	9.9	27.3	26.6	30.6	48.8	15.7	19.5	13.3	32.4	32.4
9	Between D290 and D430	21.7	20.4	15.3	19.7	17.2	51.9	48.9	48.8	72.8	81.4	67.2	21.6	72.3	16.7	50.2	9.5	10.3	12.5	51.4	74.3	72.8	38.8	34.6	29.1	47.7	40.3
10	Between D180 and D120	16.6	24.3	20.5	21.7	29.8	22.6	29.8	7.3	16.2	95.7	14.3	24.5	54.9	34.5	49.9	46.4	14.5	42.3	49.0	72.4	81.4	45.4	48.2	42.0	49.7	38.2
11	Between M140 and D101	18.1	24.4	21.6	24.1	23.7	65.5	15.4	16.4	25.5	23.6	22.3	27.2	55.2	9.3	17	9.1	11.1	19.9	52.1	61.8	67.2	55.8	54.8	118.3	52.3	35.7
12	Between Trommels	17.3	29.4	170.2	27.0	26.2	77.8	40.5	33.1	42.2	40.8	37.6	26.1	70.6	17.1	15.6	11.7	14.4	14.8	19.7	22.3	21.6	88.5	72.4	40.9	181.5	46.4
13	Between AWS 550s	26.7	15.6	34.4	12.5	42.3	19.9	19.2	40.5	33.1	42.2	18.2	22.8	100.5	26.3	18.6	16.3	21.5	18.1	23.5	18.4	19.5	76.4	69.8	46.7	64.5	33.9

Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	East Corner of Tip Floor Rollup Door	25.3	16.5	23.3	19.1	20.1	36.9	20.1	44.4	35.2	27.7	50.8	12.0	41.0	35.5	26.4	18.8	63.8	30.1	29.6	62.1	53.4	49.8	51.1	81.6	56.5	37.2
2	Near Residual Pile on Tip Floor	37.8	18.1	21.3	18.9	18.2	62.7	26.5	52.4	38.7	34.6	48.1	15.5	44.4	18.9	17.2	21.1	23.3	14.3	31.3	36.9	27.6	52.4	42.4	51.3	37.3	32.4
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	9.7	16.9	19.6	17.2	15.1	45.1	28.4	90.5	27.5	43.6	56.1	16.9	48.9	37.8	9.7	9.0	21.1	7.3	12.9	20.9	34.6	41.5	18.4	26.0	74.4	30.0
4	Between C1450 and C520	9.0	19.6	28.6	21.1	14.7	52.1	14.0	59.9	38.6	90.3	56.1	18.1	48.7	18.1	16.9	19.6	27.3	14.5	25.3	41.9	33.3	25.4	19.8	15.3	43.4	30.9
5	Near C740	21.1	27.3	17	23.3	25.5	51.8	14.1	43.8	39.1	23.9	53.8	23.6	85.9	21.3	19.6	28.6	17	12.3	55.8	39.4	24.4	36.9	44.2	22.5	66.3	33.5
6	Near MRF Floor Sump	7.3	14.5	12.3	14.3	16.1	34.4	26.22	65.2	65.8	78.4	77.7	16.3	46.2	18.9	17.2	21.1	23.3	14.3	31.3	36.9	27.6	25.2	24.6	16.2	19.8	30.0
7	Between C500 and Eyewash, In Front of Control Room	12.9	25.3	55.8	31.3	30	108.1	14.3	15.5	13.2	15.2	79.3	27.6	150.9	18.2	15.1	14.7	25.5	16.1	30	24.8	26.8	33.8	33.4	32.2	30.7	35.2
8	Between D930 and C980	20.9	41.9	39.4	36.9	24.8	65.8	21.1	24.3	19.1	34.7	33.5	28.0	93.9	62.7	45.1	52.1	51.8	34.4	108.1	65.8	65.0	46.8	27.3	20.2	52.2	44.6
9	Between D290 and D430	34.6	33.3	24.4	27.6	26.8	65.0	20.4	35.5	26.4	18.8	63.8	28.3	113.9	26.5	28.4	14.0	14.1	26.22	14.3	21.1	20.4	49.2	43.6	37.6	77.7	35.7
10	Between D180 and D120	25.9	40.6	33.5	38.9	46.5	39.0	19.1	18.9	17.2	21.1	23.3	32.5	84.6	52.4	90.5	59.9	43.8	65.2	15.5	24.3	35.5	74.5	73.1	65.0	82.6	44.9
11	Between M140 and D101	28.9	39.9	35.8	37.3	35.7	101.5	25.3	37.8	9.7	9.0	21.1	27.4	87.1	38.7	27.5	38.6	39.1	65.8	13.2	19.1	26.4	86.4	93.7	181.6	84.8	48.5
12	Between Trommels	25.7	48	283	47.7	42.1	127.7	16.5	18.1	16.9	19.6	27.3	45.6	112.1	34.6	43.6	90.3	23.9	78.4	15.2	34.7	18.8	115.9	101.3	64.2	305.9	70.3
13	Between AWS 550s	42.6	22.8	57.8	26.9	22.3	69.5	23.3	21.3	19.6	28.6	17	50.1	161.8	48.1	56.1	56.1	53.8	77.7	79.3	33.5	63.8	104.8	117.8	71.7	104.2	57.2

The facility was running MSW & SSR
All of the rollup doors were open
The MRF abstraction fans were on
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements, last calibrate 4/21/2022
Eagle 2 used for ammonia measurements, last calibrated 4/21/2022
Temptop M2000 AQ Meter for PM2.5, PM10, and CO2 used for PM measurements, last calibrated N/A

APPENDIX B - MRF BUILDING PLAN

BUILDING AREA TABULATION

			OCCUPANCY	NON OCCUPIED	OFFICES (B)	FACTORY (F-3)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F&S OCCUPANTS
MRF											
LEVEL 1											
	101	ENTRY LOBBY	B		100			100	1	1.0	
	102	INTERIOR STAIR	B		484			100	4.8	4.8	
	103	PAD UNIT									
	104	MACHINE ROOM	B				60	300	0.2		0
		ELEVATOR	B				72	250	0.3	0.3	
	105	SORTING	F1			89,251		500	178.5		178.5
	106	TIP	S1			27,000		500	55.2		55.2
	C1	COMPRESSOR	F1			715		500	1.4		1.4
	E1	ELECTRICAL	M				111	500	0.2		0.2
				0	584	96,966	879		246.2	8.7	236.3
LEVEL 1 TOTAL							12,000				
MEZZANINE 1											
	120	INTERIOR STAIR	B		180			100	1.8	1.8	
		ELEVATOR SHAFT		84							
	121	PAD UNIT									
	122	STAIR LOBBY	B		220			100	2.2	2.2	
	123	ELEVATOR	B		67			250	0.3	0.3	
	124	LOBBY	B		400			100	4.0	4.0	
	125	MULTI-PURPOSE	B		1,240			15	82.7	82.7	
	126	STORAGE 2	B		60			300	0.2		0.2
	127	M/W 1	B		60			100	0.7	0.7	
	128	M/W 2	B		73			100	0.7	0.7	
	129	CONFERENCE	B		230			100	2.3	2.3	
	130	OFFICE 1	B		130			100	1.3	1.3	
	131	OFFICE 2	B		140			100	1.4	1.4	
	132	OFFICE 3	B		140			100	1.4	1.4	
	133	OFFICE 4	B		170			100	1.7	1.7	
	134	LOCKER	B		170			100	1.7	1.7	
	135	UNIFORM	B		60			300	0.2	0.2	
	136	M/W 3	B		60			100	0.6	0.6	
	137	BREAK	B		230			100	2.3	2.3	
	138	STORAGE 3	B		150			300	0.5		0.5
	139	HALL 1	B		200			100	2.0	2.0	
	140	HALL 2	B		320			100	3.2	3.2	
	141	HALL 3	B		180			100	1.8	1.8	
	142	STORAGE 4	B		90			300	0.3		0.3
MEZZANINE 1 TOTAL				84	4,240	0	0		114.2	106.1	4.2
							4,320				
MEZZANINE 2											
	200	INTERIOR STAIR	B		120			100	1.2	1.2	
	201	PAD UNIT									
	202	STAIR LOBBY	B		120			100	1.2	1.2	
	203	JAN.	B		67			100	0.7	0.7	
		ELEVATOR SHAFT		84							
	204	LOBBY	B		240			100	2.4	2.4	
	205	OPEN OFFICE	B		400			100	4.0	4.0	
	206	OFFICE 1	B		140			100	1.4	1.4	
	207	OFFICE 2	B		130			100	1.3	1.3	
	208	OFFICE 3	B		130			100	1.3	1.3	
	209	CONFERENCE	B		530			15	35.3	35.3	
	210	BREAK	B		630			300	2.1	2.1	
	211	WOMEN	B		210			100	2.1	2.1	
	212	MEN	B		210			100	2.1	2.1	
	213	STORAGE	B				150	300	0.5		0.5
	214	HALL	B		210			100	2.1	2.1	
MEZZANINE 2 TOTAL				168	3,880	0	150		76.1	68.2	1.2
BUILDING TOTAL				168	8,712	96,966	1,329		336.4	287.2	240.7
							76,612				

NOTE:

1. AREAS ARE GROSS SQUARE FEET. CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW

ALLOWABLE BUILDING AREA

PERIMETER AND OPEN SPACE INFORMATION (CBC 506)

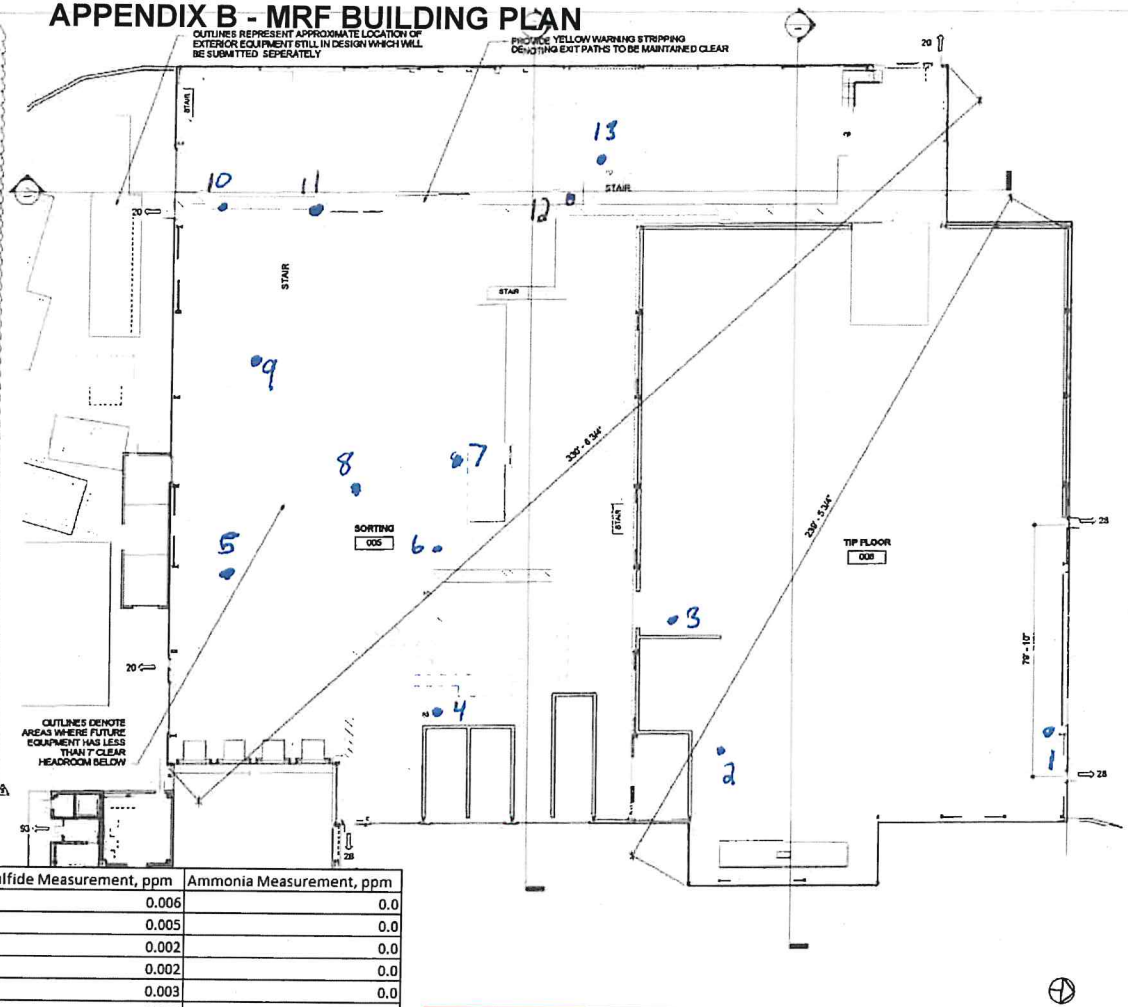
NOTE: MRF FIT-UP

Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

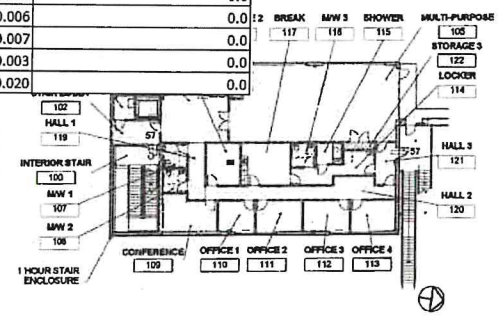
Measurements taken around 10-11am on 4/21/2021
The facility was running MSW
Most of the rollup doors were open
The MRF abstraction fans were off
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements

	SERVICE SINKS	DRINKING FOUNTAINS
WOMEN		
	1	1 WATER COOLER

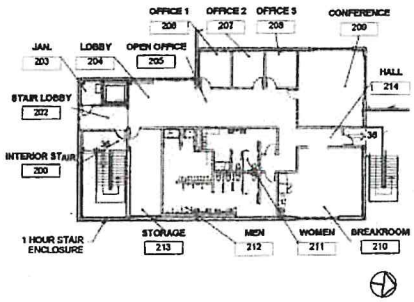
THE SOFT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER WILL BE RUN OVERHEAD ON THE SORTING EQUIPMENT, AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.



Sample Locations Are Approximate



MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
383 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

CONSTRUCTION
DIANI COMPANIES
Santa Maria

381 NORTH BLOSSER ROAD
PO BOX 5787
SANTA MARIA, CA 93456 - 5787
(805) 925-9533
FAX (805) 928-2150

MSB Investors, LLC
17 Corporate Plaza, Suite 200
Newport Beach, CA 92660

330 Adam Place
Arroyo Grande, CA 93420
(805) 473 - 2721
GARY W. MADJEDI, ARCHITECT

REGISTERED PROFESSIONAL ENGINEER
NO. C-17361
CIVIL
STATE OF CALIFORNIA

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
6	Addenda PC 2	10/15/19	
5	Plancheck 2	9/13/19	

REVISIONS

STATUS: REVIEW
DATE: 04/19
PROJECT NO: 180201

SHEET NAME
EXITING PLANS

SHEET NO
G200

MUSTANG
RENEWABLE POWER
VENTURES

17 Corporate Plaza Drive, Suite 200
Newport Beach, CA 92660
O: 805.259.9499

September 15, 2022

Aimee Long
Air Quality Specialist
Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110

Permit: ATC 14500 05
H.B. Case No. 2021-12-R

RE: MSB Investors, LLC
ReSource Center (formerly Tajiguas Resource Recovery Project)
Variance Update Due to Alisal Fire Impact

Aimee:

In response to the Variance granted by the Hearing Board on December 1, 2021 in connection with H.B. Case No. 2021-12-R we offer the following request:

Our air quality consultant, AECOM, worked closely with the District engineers over the past 12 months in responding to their requests for additional AQ/HRA analysis related to the MRF biofilter facilities. This was submitted to District engineering on July 1st and has been the source of continuous discussions with the district staff since then.

Our general contractor, Diani Building Corp., Santa Maria, CA, has completed a detailed estimate for the repairs and replacement of the baghouse filters adjacent to the damaged MRF biofilter facilities. The estimated dates for completion of the repair and replacement of the baghouse filters is now May-June 2023, based on Diani's estimated 16 week construction schedule estimated to commence as of January 2023 following completion of a CEQA analysis of the repair and replacement project and Board of Supervisors (BOS) approval of such anticipated for December 2022 or January 2023. Our goal of course is to have the damaged equipment repaired and replaced with emission control systems approved by the District's engineering staff on or prior to the expiration of this Variance. Considering the estimated timeframe to complete the CEQA analysis, BOS approval and Diani construction we will need to consider an extension of our Variance due to expire at the end of October. Please advise what steps we should take to process an extension or new Variance.

As stated in our petition for the Variance, we took preventative measures once the scrubbers became non-operational such as additional building ventilation and indoor air monitoring on a weekly basis. The indoor air monitoring continues to observe indoor air measurements of H2S and NH3 of approximately 2-5% of the MRF biofilter emission limits. The indoor air levels of H2S and NH3 were and continue to be extremely low due to the speed at which organic waste is processed through the building to loadout trucks for transfer to the ADF for further processing in-vessel.

Attached please find a schedule, Appendix A – MRF Indoor Air Sampling, showing the indoor air measurements of H2S, NH3, PM 2.5 and PM 10 taken at 13 locations inside the MRF building depicted on Appendix B – MRF Building Plan over the period from March through August 26, 2022 (i.e., a 5-month lookback).

Please let me know if you have any questions on the above or the attached.

Sincerely,

MSB Investors, LLC

John Dewey
CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational Biofilters and Baghouses

		Friday (3/4/22)	Friday (3/11/22)	Friday (3/18/22)	Friday (3/25/22)	Friday (4/1/22)	Friday (4/8/22)	Friday (4/15/22)	Friday 4/22/2022	Friday (4/29/22)	Friday (5/6/22)	Friday (5/13/22)	Friday (5/20/22)	Friday (5/27/22)	Friday (6/3/22)	Friday (6/10/22)	Friday (6/17/22)	Friday (6/23/22)	Friday (6/30/22)	Friday 7/15/2022	Friday 7/22/2022	Friday 7/29/2022	Friday (8/5/22)	Friday 8/12/2022	Friday 8/19/2022	Friday 8/26/2022	3/4/22 - 8/26/22
Point	Location Description	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)
1	East Corner of Tip Floor Rollup Door	0.012	0.002	0.009	0.004	0.003	0.004	0.009	0.011	0.011	0.003	0.004	0.003	0.004	0.005	0.003	0.004	0.008	0.011	0.006	0.025	0.003	0.008	0.009	0.007	0.007	0.007
2	Near Residual Pile on Tip Floor	0.005	0.009	0.006	0.006	0.004	0.003	0.006	0.023	0.011	0.004	0.003	0.002	0.004	0.006	0.006	0.004	0.004	0.005	0.005	0.035	0.004	0.004	0.007	0.006	0.013	0.007
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.004	0.003	0.005	0.000	0.003	0.002	0.005	0.014	0.009	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.007	0.001	0.006	0.023	0.003	0.001	0.004	0.003	0.009	0.006
4	Between C1450 and C520	0.003	0.004	0.003	0.000	0.004	0.004	0.003	0.010	0.005	0.012	0.005	0.004	0.003	0.002	0.002	0.003	0.004	0.001	0.002	0.001	0.004	0.002	0.003	0.002	0.007	0.004
5	Near C740	0.002	0.006	0.006	0.003	0.005	0.006	0.006	0.007	0.006	0.002	0.009	0.003	0.004	0.006	0.004	0.005	0.004	0.004	0.001	0.003	0.002	0.004	0.003	0.001	0.013	0.005
6	Near MRF Floor Sump	0.002	0.004	0.004	0.003	0.003	0.006	0.004	0.010	0.006	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.000	0.003	0.004	0.002	0.002	0.003	0.006	0.003	0.007	0.004
7	Between C500 and Eyewash, In Front of Control Room	0.003	0.005	0.004	0.002	0.004	0.004	0.004	0.020	0.008	0.004	0.006	0.000	0.000	0.003	0.003	0.002	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.002	0.014	0.005
8	Between D930 and C980	0.007	0.004	0.004	0.000	0.004	0.008	0.004	0.009	0.007	0.003	0.004	0.003	0.004	0.005	0.003	0.004	0.008	0.001	0.004	0.003	0.003	0.003	0.003	0.004	0.015	0.005
9	Between D290 and D430	0.006	0.003	0.005	0.000	0.003	0.008	0.005	0.012	0.006	0.004	0.003	0.002	0.004	0.006	0.006	0.004	0.004	0.001	0.002	0.004	0.001	0.003	0.003	0.001	0.012	0.004
10	Between D180 and D120	0.002	0.003	0.005	0.001	0.004	0.005	0.005	0.013	0.005	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.009	0.002	0.002	0.004	0.001	0.004	0.003	0.002	0.013	0.005
11	Between M140 and D101	0.003	0.003	0.006	0.000	0.006	0.004	0.006	0.021	0.005	0.011	0.023	0.014	0.010	0.007	0.010	0.020	0.029	0.005	0.001	0.004	0.002	0.003	0.004	0.002	0.009	0.008
12	Between Trommels	0.003	0.004	0.004	0.001	0.006	0.004	0.004	0.020	0.009	0.028	0.018	0.013	0.013	0.048	0.014	0.032	0.007	0.009	0.006	0.005	0.004	0.004	0.005	0.003	0.025	0.012
13	Between AWS 550s	0.003	0.004	0.004	0.001	0.004	0.003	0.004	0.021	0.009	0.011	0.011	0.009	0.005	0.006	0.006	0.008	0.012	0.008	0.008	0.003	0.001	0.003	0.003	0.004	0.009	0.006

Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	East Corner of Tip Floor Rollup Door	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
2	Near Residual Pile on Tip Floor	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.080
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
4	Between C1450 and C520	0.000	0.000	0.500	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060
5	Near C740	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
6	Near MRF Floor Sump	0.000	0.000	0.000	0.500	0.000	0.500	0.500	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.120
7	Between C500 and Eyewash, In Front of Control Room	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.220
8	Between D930 and C980	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.080
9	Between D290 and D430	0.000	0.000	0.500	1.000	1.000	0.000	1.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.220
10	Between D180 and D120	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	1.500	0.160
11	Between M140 and D101	0.000	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.500	0.160
12	Between Trommels	0.000	0.000	0.000	0.500	0.500	0.050	0.000	0.000	0.500	0.500	1.000	0.000	0.000	0.000	0.000	0.500	0.000	1.000	1.000	0.000	0.500	0.500	0.000	0.000	1.500	0.322
13	Between AWS 550s	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	1.000	0.000	0.000	0.000	0.500	0.000	0.500	0.180

Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	East Corner of Tip Floor Rollup Door	12.6	23.0	34.0	24.2	57.9	35.2	37.1	16.7	27.0	25.2	6.4	6.3	13.3	4.7	8.2	17.7	21.7	19.8	22.4	46.7	33.2	42.6	29.2	40.7	13.6	24.8
2	Near Residual Pile on Tip Floor	12.2	38.4	24.8	24.7	16.7	34.5	9.3	17.1	28.7	11.8	11.4	13.3	17.8	10.0	17.0	25.7	20.4	21.5	31.4	29.2	22.2	26.6	10.5	46.3	10.9	21.3
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	8.7	27.1	40.5	42.2	50.2	49.9	17	15.6	30.6	14.1	13.3	18.7	10.8	8	34.8	23.1	15.3	31.0	18.7	16.5	40.4	10.1	11.8	13.7	10.7	22.9
4	Between C1450 and C520	10	33.2	10.5	8.5	9.5	46.4	9.1	11.7	32.6	13.7	9.8	12.7	11.8	9.2	20.1	24.0	19.7	16.7	15.4	10.0	27.6	13.5	10.9	16.1	12.0	16.6
5	Near C740	16.5	33.9	12.5	9.9	10.3	14.5	11.1	14.4	54.9	12.2	8.7	10	16.5	9.2	19.3	16.7	17.2	22.4	34.5	15.0	40.4	36.2	18.8	13.4	27.3	19.8
6	Near MRF Floor Sump	9.2	22.7	22.6	27.3	12.5	42.3	19.9	14.8	31.3	38.4	27.1	33.2	33.9	22.7	67.1	42.4	51.9	19.6	16.8	11.0	13.0	11.5	10.8	16.6	6.2	25.0
7	Between C500 and Eyewash, In Front of Control Room	19.3	67.1	31.3	26.6	51.4	49.0	52.1	19.7	95.1	24.8	40.5	10.5	12.5	22.6	31.3	38.5	48.9	26.8	22.4	20.8	19.5	15.4	11.4	15.2	14.1	31.5
8	Between D930 and C980	16.7	42.4	38.5	30.6	74.3	72.4	61.8	22.3	59.9	24.7	42.2	8.5	9.9	27.3	26.6	30.6	48.8	15.7	19.5	13.3	32.4	18.4	13.3	20.2	25.2	31.8
9	Between D290 and D430	17.2	51.9	48.9	48.8	72.8	81.4	67.2	21.6	72.3	16.7	50.2	9.5	10.3	12.5	51.4	74.3	72.8	38.8	34.6	29.1	47.7	34.0	25.4	16.8	31.2	41.5
10	Between D180 and D120	29.8	22.6	29.8	7.3	16.2	95.7	14.3	24.5	54.9	34.5	49.9	46.4	14.5	42.3	49.0	72.4	81.4	45.4	48.2	42.0	49.7	42.3	25.6	21.8	41.7	40.1
11	Between M140 and D101	23.7	65.5	15.4	16.4	25.5	23.6	22.3	27.2	55.2	9.3	17	9.1	11.1	19.9	52.1	61.8	67.2	55.8	54.8	118.3	52.3	49.0	25.0	25.0	23.2	37.0
12	Between Trommels	26.2	77.8	40.5	33.1	42.2	40.8	37.6	26.1	70.6	17.1	15.6	11.7	14.4	14.8	19.7	22.3	21.6	88.5	72.4	40.9	181.5	66.9	14.1	28.4	37.4	42.5
13	Between AWS 550s	42.3	19.9	19.2	40.5	33.1	42.2	18.2	22.8	100.5	26.3	18.6	16.3	21.5	18.1	23.5	18.4	19.5	76.4	69.8	46.7	64.5	85.8	39.9	23.7	30.1	37.5

Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	East Corner of Tip Floor Rollup Door	20.1	36.9	20.1	44.4	35.2	27.7	50.8	12.0	41.0	35.5	26.4	18.8	63.8	30.1	29.6	62.1	53.4	49.8	51.1	81.6	56.5	73.7	48.5	68.0	19.0	42.2
2	Near Residual Pile on Tip Floor	18.2	62.7	26.5	52.4	38.7	34.6	48.1	15.5	44.4	18.9	17.2	21.1	23.3	14.3	31.3	36.9	27.6	52.4	42.4	51.3	37.3	48.6	17.4	79.3	17.1	35.1
3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	15.1	45.1	28.4	90.5	27.5	43.6	56.1	16.9	48.9	37.8	9.7	9.0	21.1	7.3	12.9	20.9	34.6	41.5	18.4	26.0	74.4	14.1	18.1	21.0	16.3	30.2
4	Between C1450 and C520	14.7	52.1	14.0	59.9	38.6	90.3	56.1	18.1	48.7	18.1	16.9	19.6	27.3	14.5	25.3	41.9	33.3	25.4	19.8	15.3	43.4	20.8	16.6	29.4	18.7	31.2
5	Near C740	25.5	51.8	14.1	43.8	39.1	23.9	53.8	23.6	85.9	21.3	19.6	28.6	17	12.3	55.8	39.4	24.4	36.9	44.2	22.5	66.3	54.0	26.2	20.0	46.1	35.8
6	Near MRF Floor Sump	16.1	34.4	26.22	65.2	65.8	78.4	77.7	16.3	46.2	18.9	17.2	21.1	23.3	14.3	31.3	36.9	27.6	25.2	24.6	16.2	19.8	17.0	16.2	24.8	9.1	30.8
7	Between C500 and Eyewash, In Front of Control Room	30	108.1	14.3	15.5	13.2	15.2	79.3	27.6	150.9	18.2	15.1	14.7	25.5	16.1	30	24.8	26.8	33.8	33.4	32.2	30.7	23.6	18.3	23.8	22.7	33.8
8	Between D930 and C980	24.8	65.8	21.1	24.3	19.1	34.7	33.5	28.0	93.9	62.7	45.1	52.1	51.8	34.4	108.1	65.8	65.0	46.8	27.3	20.2	52.2	28.2	20.7	30.2	42.6	43.9
9	Between D290 and D430	26.8	65.0	20.4	35.5	26.4	18.8	63.8	28.3	113.9	26.5	28.4	14.0	14.1	26.22	14.3	21.1	20.4	49.2	43.6	37.6	77.7	56.1	40.5	24.0	50.3	37.7
10	Between D180 and D120	46.5	39.0	19.1	18.9	17.2	21.1	23.3	32.5	84.6	52.4	90.5	59.9	43.8	65.2	15.5	24.3	35.5	74.5	73.1	65.0	82.6	67.4	41.1	33.9	67.0	47.8
11	Between M140 and D101	35.7	101.5	25.3	37.8	9.7	9.0	21.1	27.4	87.1	38.7	27.5	38.6	39.1	65.8	13.2	19.1	26.4	86.4	93.7	181.6	84.8	80.0	39.4	39.1	37.8	50.6
12	Between Trommels	42.1	127.7	16.5	18.1	16.9	19.6	27.3	45.6	112.1	34.6	43.6	90.3	23.9	78.4	15.2	34.7	18.8	115.9	101.3	64.2	305.9	102.9	22.8	46.2	63.0	63.5
13	Between AWS 550s	22.3	69.5	23.3	21.3	19.6	28.6	17	50.1	161.8	48.1	56.1	56.1	53.8	77.7	79.3	33.5	63.8	104.8	117.8	71.7	104.2	133.1	65.5	36.8	49.7	62.6

The facility was running MSW & SSR
All of the rollup doors were open
The MRF abstraction fans were on
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements, last calibrate 4/21/2022
Eagle 2 used for ammonia measurements, last calibrated 4/21/2022
Temptop M2000 AQ Meter for PM2.5, PM10, and CO2 used for PM measurements, last calibrated N/A

APPENDIX B - MRF BUILDING PLAN

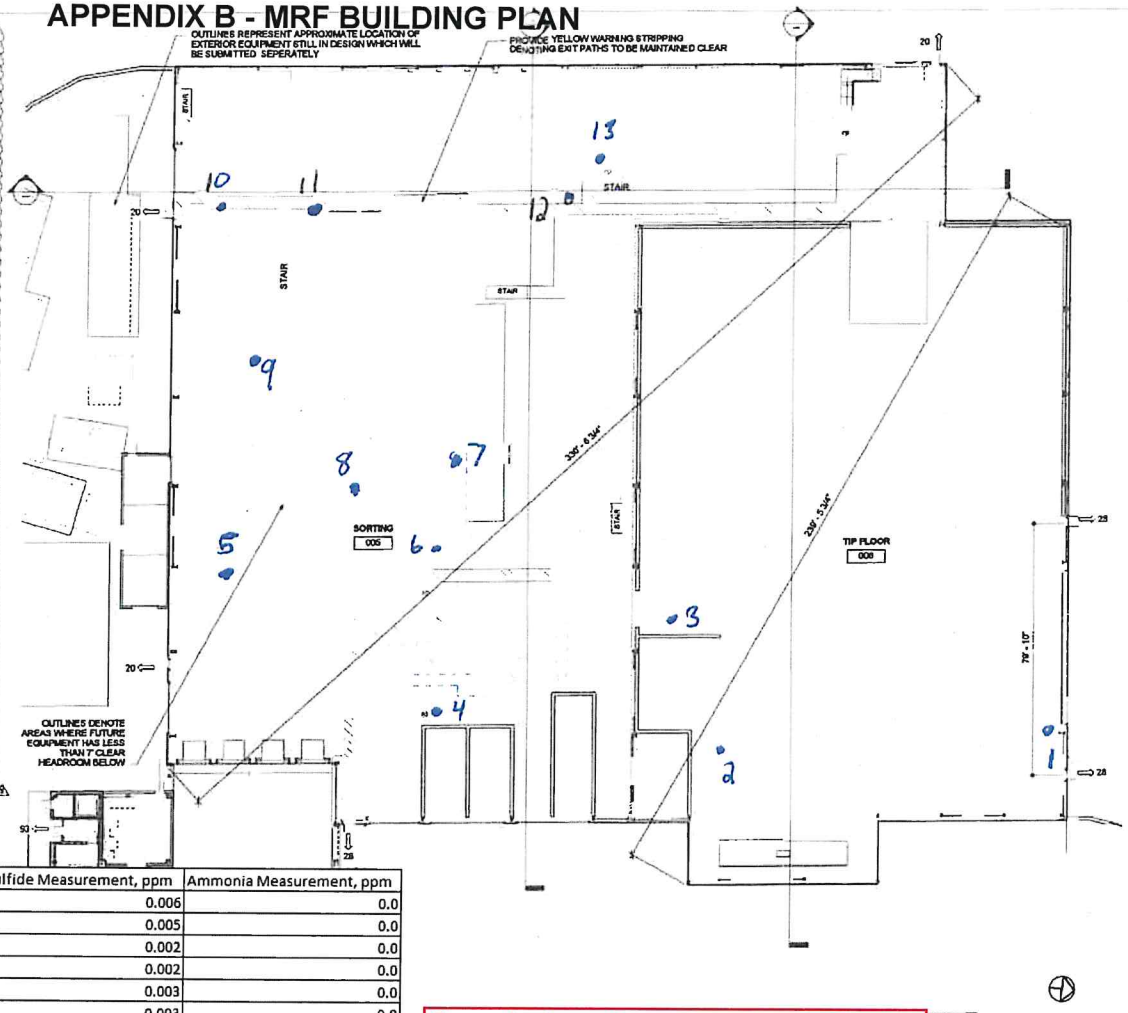
BUILDING AREA TABULATION

			OCCUPANCY	NON OCCUPIED	OFFICES (B)	FACTORY (F-1)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F & S OCCUPANTS
MRF											
LEVEL 1											
	001	ENTRY LOBBY	B		100			100	1	1.0	
	002	INTERIOR STAIR	B		420			100	4	4.0	
	003	MW USE									
	004	MACHINE ROOM	S				60	300	0.2		0.2
		ELEVATOR	S				23	300	0.08		0.0
	005	SORTING	F1			89,250		500	178.5		178.5
	006	TIP	S1			27,000		500	55.2		55.2
	C1	COMPRESSOR	F1			710		500	1.4		1.4
	E1	ELECTRICAL	S1				1,613	300	5.4		5.4
				0	520	116,960	1,697		242.4	0.7	241.7
LEVEL 1 TOTAL							18,000				
MEZZANINE 3											
	100	INTERIOR STAIR	B		180			100	1.8	1.8	
		ELEVATOR SHAFT		69							
	101	MW USE									
	102	STAIR LOBBY	B		330			100	3.3	3.3	
	103	JANITOR	B		60			300	0.2	0.2	
	104	LOBBY	B		660			100	6.6	6.6	
	105	MULTI-PURPOSE	B		1,125			15	87.5	87.5	
	106	STORAGE 2	S		60			300	0.2		0.2
	107	MW 1	B		60			100	0.6	0.6	
	108	MW 2	B		75			100	0.8	0.8	
	109	CONFERENCE	B		225			100	2.3	2.3	
	110	OFFICE 1	B		130			100	1.3	1.3	
	111	OFFICE 2	B		140			100	1.4	1.4	
	112	OFFICE 3	B		140			100	1.4	1.4	
	113	OFFICE 4	B		170			100	1.7	1.7	
	114	LOCKER	B		270			100	2.7	2.7	
	115	SHOWER	B		60			100	0.6	0.6	
	116	MW 3	B		60			100	0.6	0.6	
	117	BREAK	B		230			100	2.3	2.3	
	118	STORAGE 3	S		130			300	0.4		0.4
	119	HALL 1	B		200			100	2.0	2.0	
	120	HALL 2	B		320			100	3.2	3.2	
	121	HALL 3	B		210			100	2.1	2.1	
	122	STORAGE 3	S		170			300	0.6		0.6
MEZZANINE 3 TOTAL				69	4,310	0	0		114.2	106.1	4.2
MEZZANINE 2											
	200	INTERIOR STAIR	B		125			100	1.3	1.3	
	201	MW USE									
	202	STAIR LOBBY	B		230			100	2.3	2.3	
	203	JAN.	S		67			300	0.2	0.2	
		ELEVATOR SHAFT		69							
	204	LOBBY	B		360			100	3.6	3.6	
	205	OPEN OFFICE	B		340			100	3.4	3.4	
	206	OFFICE 1	B		140			100	1.4	1.4	
	207	OFFICE 2	B		130			100	1.3	1.3	
	208	OFFICE 3	B		130			100	1.3	1.3	
	209	CONFERENCE	B		530			15	35.3	35.3	
	210	BREAK	B		930			100	9.3	9.3	
	211	WOMEN	B		240			100	2.4	2.4	
	212	MEN	B		720			100	7.2	7.2	
	213	STORAGE	S				330	300	1.1		1.1
	214	HALL	B		220			100	2.2	2.2	
				69	5,000	0	330		76.7	68.2	1.1
MEZZANINE 2 TOTAL							4,395				
BUILDING TOTAL				138	9,310	84,960	1,027		333.3	287.2	245.2
							76,612				

NOTE:

1. AREAS ARE GROSS SQUARE FEET, CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW



ALLOWABLE BUILDING AREA

PERIMETER AND OPEN SPACE INFORMATION (CBC 506)

NOTE: MRF FIT-UP

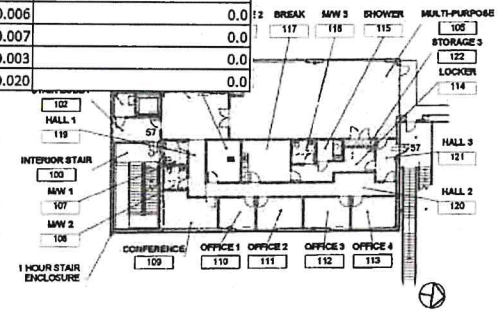
Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

Sample Locations Are Approximate

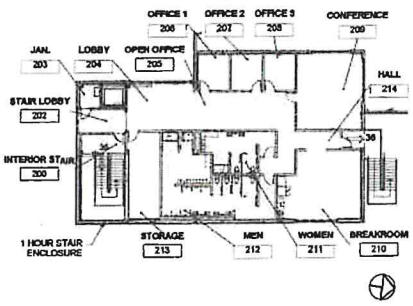
Measurements taken around 10-11am on 4/21/2021
The facility was running MSW
Most of the rollup doors were open
The MRF abstraction fans were off
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements

	SERVICE SINKS	DRINKING FOUNTAINS
WOMEN		
	2	1 WATER COOLER

THE SORT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER WILL BE RUN OVERHEAD ON THE SORTING EQUIPMENT. AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.



2 MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



3 MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
383 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

CONSTRUCTION
DIANI COMPANIES
Santa Maria

381 NORTH BLOSSER ROAD
PO BOX 6787
SANTA MARIA, CA 93456 - 6787
(805) 925-9538
FAX (805) 928-2160

MSB Investors, LLC
17 Corporate Plaza, Suite 200
Newport Beach, CA 92660

330 Adobe Place
Arroyo Grande, CA 93420
(805) 473 - 2721
GARY W. MADJEDI, ARCHITECT

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
6	Addenda PC 2	10/15/19	
5	Plan Check 2	9/13/19	

REVISIONS

STATUS REVIEW
DATE 8/8/19
PROJECT NO: 181201

SHEET NAME
EXITING PLANS

SHEET NO:
G200

MUSTANG
RENEWABLE POWER
VENTURES

17 Corporate Plaza Drive, Suite 200
Newport Beach, CA 92660
O: 805.259.9499

October 15, 2022

Aimee Long
Air Quality Specialist
Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110

Permit: ATC 14500 05
H.B. Case No. 2021-12-R

RE: MSB Investors, LLC
ReSource Center (formerly Tajiguas Resource Recovery Project)
Variance Update Due to Alisal Fire Impact

Aimee:

In response to the Variance granted by the Hearing Board on December 1, 2021 in connection with H.B. Case No. 2021-12-R we offer the following request:

Our air quality consultant, AECOM, worked closely with the District engineers over the past 12 months in responding to their requests for additional AQ/HRA analysis related to the MRF biofilter facilities. This was submitted to District engineering on July 1st and has been the source of continuous discussions with the district staff since then.

Our general contractor, Diani Building Corp., Santa Maria, CA, has completed a detailed estimate for the repairs and replacement of the baghouse filters adjacent to the damaged MRF biofilter facilities. The estimated dates for completion of the repair and replacement of the baghouse filters is now May-June 2023, based on Diani's estimated 16 week construction schedule estimated to commence as of January 2023 following completion of a CEQA analysis of the repair and replacement project and Board of Supervisors (BOS) approval of such anticipated for December 2022 or January 2023. Our goal of course is to have the damaged equipment repaired and replaced with emission control systems approved by the District's engineering staff on or prior to the expiration of this Variance. Considering the estimated timeframe to complete the CEQA analysis, BOS approval and Diani construction we will need to consider an extension of our Variance due to expire at the end of October. Please advise what steps we should take to process an extension or new Variance.

As stated in our petition for the Variance, we took preventative measures once the scrubbers became non-operational such as additional building ventilation and indoor air monitoring on a weekly basis. The indoor air monitoring continues to observe indoor air measurements of H2S and NH3 of approximately 2-5% of the MRF biofilter emission limits. The indoor air levels of H2S and NH3 were and continue to be extremely low due to the speed at which organic waste is processed through the building to loadout trucks for transfer to the ADF for further processing in-vessel.

Attached please find a schedule, Appendix A – MRF Indoor Air Sampling, showing the indoor air measurements of H2S, NH3, PM 2.5 and PM 10 taken at 13 locations inside the MRF building depicted on Appendix B – MRF Building Plan over the period from April through September 30, 2022 (i.e., a 5-month lookback).

Please let me know if you have any questions on the above or the attached.

Sincerely,

MSB Investors, LLC

John Dewey
CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational Biofilters and Baghouses

			Friday (4/1/22)	Friday (4/8/22)	Friday (4/15/22)	Friday 4/22/2022	Friday (4/29/22)	Friday (5/6/22)	Friday (5/13/22)	Friday (5/20/22)	Friday (5/27/22)	Friday (6/3/22)	Friday (6/10/22)	Friday (6/17/22)	Friday (6/23/22)	Friday (6/30/22)	Friday 7/15/2022	Friday 7/22/2022	Friday 7/29/2022	Friday (8/5/22)	Friday 8/12/2022	Friday 8/19/2022	Friday 8/26/2022	Friday (9/2/22)	Friday 9/9/2022	Friday 9/16/2022	Friday 9/23/2022	Friday 9/30/2022	4/1/22 - 9/30/22
MSW	Point	Location Description	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)
1	1	East Corner of Tip Floor Rollup Door	0.003	0.004	0.009	0.011	0.011	0.003	0.004	0.003	0.004	0.005	0.003	0.004	0.008	0.011	0.006	0.025	0.003	0.008	0.009	0.007	0.007	0.024	0.010	0.015	0.010	0.001	0.008
1	2	Near Residual Pile on Tip Floor	0.004	0.003	0.006	0.023	0.011	0.004	0.003	0.002	0.004	0.006	0.006	0.004	0.004	0.005	0.005	0.035	0.004	0.004	0.007	0.006	0.013	0.007	0.008	0.007	0.026	0.010	0.008
1	3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.003	0.002	0.005	0.014	0.009	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.007	0.001	0.006	0.023	0.003	0.001	0.004	0.003	0.009	0.006	0.006	0.002	0.006	0.006	0.006
2	4	Between C1450 and C520	0.004	0.004	0.003	0.010	0.005	0.012	0.005	0.004	0.003	0.002	0.002	0.003	0.004	0.001	0.002	0.001	0.004	0.002	0.003	0.002	0.007	0.005	0.004	0.002	0.005	0.006	0.004
2	5	Near C740	0.005	0.006	0.006	0.007	0.006	0.002	0.009	0.003	0.004	0.006	0.004	0.005	0.004	0.004	0.001	0.003	0.002	0.004	0.003	0.001	0.013	0.003	0.006	0.004	0.006	0.004	0.005
1	6	Near MRF Floor Sump	0.003	0.006	0.004	0.010	0.006	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.000	0.003	0.004	0.002	0.002	0.003	0.006	0.003	0.007	0.004	0.006	0.002	0.007	0.004	0.005
2	7	Between C500 and Eyewash, In Front of Control Room	0.004	0.004	0.004	0.020	0.008	0.004	0.006	0.000	0.000	0.003	0.003	0.002	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.002	0.014	0.006	0.007	0.004	0.006	0.009	0.005
2	8	Between D930 and C980	0.004	0.008	0.004	0.009	0.007	0.003	0.004	0.003	0.004	0.005	0.003	0.004	0.008	0.001	0.004	0.003	0.003	0.003	0.003	0.004	0.015	0.005	0.004	0.004	0.007	0.005	0.005
2	9	Between D290 and D430	0.003	0.008	0.005	0.012	0.006	0.004	0.003	0.002	0.004	0.006	0.006	0.004	0.004	0.001	0.002	0.004	0.001	0.003	0.003	0.001	0.012	0.003	0.006	0.004	0.006	0.006	0.005
2	10	Between D180 and D120	0.004	0.005	0.005	0.013	0.005	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.009	0.002	0.002	0.004	0.001	0.004	0.003	0.002	0.013	0.002	0.005	0.004	0.007	0.006	0.005
2	11	Between M140 and D101	0.006	0.004	0.006	0.021	0.005	0.011	0.023	0.014	0.010	0.007	0.010	0.020	0.029	0.005	0.001	0.004	0.002	0.003	0.004	0.002	0.009	0.001	0.006	0.001	0.007	0.006	0.008
2	12	Between Trommels	0.006	0.004	0.004	0.020	0.009	0.028	0.018	0.013	0.013	0.048	0.014	0.032	0.007	0.009	0.006	0.005	0.004	0.004	0.005	0.003	0.025	0.004	0.007	0.005	0.023	0.010	0.013
2	13	Between AWS 550s	0.004	0.003	0.004	0.021	0.009	0.011	0.011	0.009	0.005	0.006	0.006	0.008	0.012	0.008	0.008	0.003	0.001	0.003	0.003	0.004	0.009	0.002	0.006	0.001	0.012	0.006	0.007

MSW	Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	1	East Corner of Tip Floor Rollup Door	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
1	2	Near Residual Pile on Tip Floor	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.058
1	3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
2	4	Between C1450 and C520	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
2	5	Near C740	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
1	6	Near MRF Floor Sump	0.000	0.500	0.500	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.096
2	7	Between C500 and Eyewash, In Front of Control Room	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.173
2	8	Between D930 and C980	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.058
2	9	Between D290 and D430	1.000	0.000	1.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.154
2	10	Between D180 and D120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	1.500	0.000	0.000	0.000	0.000	0.000	0.135
2	11	Between M140 and D101	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.096
2	12	Between Trommels	0.500	0.050	0.000	0.000	0.500	0.500	1.000	0.000	0.000	0.000	0.000	0.500	0.000	1.000	1.000	0.000	0.500	0.500	0.000	0.000	1.500	0.500	0.000	0.000	0.500	0.000	0.329
2	13	Between AWS 550s	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	1.000	0.000	0.000	0.000	0.500	0.000	0.500	1.500	0.000	0.000	0.000	0.000	0.192

MSW	Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	1	East Corner of Tip Floor Rollup Door	57.9	35.2	37.1	16.7	27.0	25.2	6.4	6.3	13.3	4.7	8.2	17.7	21.7	19.8	22.4	46.7	33.2	42.6	29.2	40.7	13.6	44.9	22.2	59.3	34.8	27.1	27.5
1	2	Near Residual Pile on Tip Floor	16.7	34.5	9.3	17.1	28.7	11.8	11.4	13.3	17.8	10.0	17.0	25.7	20.4	21.5	31.4	29.2	22.2	26.6	10.5	46.3	10.9	26.3	23.6	25.0	42.8	63.9	23.6
1	3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	50.2	49.9	17	15.6	30.6	14.1	13.3	18.7	10.8	8	34.8	23.1	15.3	31.0	18.7	16.5	40.4	10.1	11.8	13.7	10.7	20.9	22.4	24.6	14.3	27.8	21.7
2	4	Between C1450 and C520	9.5	46.4	9.1	11.7	32.6	13.7	9.8	12.7	11.8	9.2	20.1	24.0	19.7	16.7	15.4	10.0	27.6	13.5	10.9	16.1	12.0	31.5	20.3	28.4	16.9	25.7	18.3
2	5	Near C740	10.3	14.5	11.1	14.4	54.9	12.2	8.7	10	16.5	9.2	19.3	16.7	17.2	22.4	34.5	15.0	40.4	36.2	18.8	13.4	27.3	31.7	16.7	34.5	27.2	28.0	21.6
1	6	Near MRF Floor Sump	12.5	42.3	19.9	14.8	31.3	38.4	27.1	33.2	33.9	22.7	67.1	42.4	51.9	19.6	16.8	11.0	13.0	11.5	10.8	16.6	6.2	51.4	15.1	23.7	19.1	17.1	25.7
2	7	Between C500 and Eyewash, In Front of Control Room	51.4	49.0	52.1	19.7	95.1	24.8	40.5	10.5	12.5	22.6	31.3	38.5	48.9	26.8	22.4	20.8	19.5	15.4	11.4	15.2	14.1	29.1	17.9	39.7	22.9	43.2	30.6
2	8	Between D930 and C980	74.3	72.4	61.8	22.3	59.9	24.7	42.2	8.5	9.9	27.3	26.6	30.6	48.8	15.7	19.5	13.3	32.4	18.4	13.3	20.2	25.2	32.6	17.4	34.2	34.0	30.9	31.4
2	9	Between D290 and D430	72.8	81.4	67.2	21.6	72.3	16.7	50.2	9.5	10.3	12.5	51.4	74.3	72.8	38.8	34.6	29.1	47.7	34.0	25.4	16.8	31.2	37.2	22.9	42.2	34.7	32.6	40.0
2	10	Between D180 and D120	16.2	95.7	14.3	24.5	54.9	34.5	49.9	46.4	14.5	42.3	49.0	72.4	81.4	45.4	48.2	42.0	49.7	42.3	25.6	21.8	41.7	45.3	17.9	337.3	36.4	35.4	53.3
2	11	Between M140 and D101	25.5	23.6	22.3	27.2	55.2	9.3	17	9.1	11.1	19.9	52.1	61.8	67.2	55.8	54.8	118.3	52.3	49.0	25.0	25.0	23.2	44.2	25.0	36.1	37.3	48.5	38.3
2	12	Between Trommels	42.2	40.8	37.6	26.1	70.6	17.1	15.6	11.7	14.4	14.8	19.7	22.3	21.6	88.5	72.4	40.9	181.5	66.9	14.1	28.4	37.4	52.3	20.1	50.6	54.8	49.3	42.8
2	13	Between AWS 550s	33.1	42.2	18.2	22.8	100.5	26.3	18.6	16.3	21.5	18.1	23.5	18.4	19.5	76.4	69.8	46.7	64.5	85.8	39.9	23.7	30.1	63.0	23.7	50.2	57.5	53.1	40.9

MSW	Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	1	East Corner of Tip Floor Rollup Door	35.2	27.7	50.8	12.0	41.0	35.5	26.4	18.8	63.8	30.1	29.6	62.1	53.4	49.8	51.1	81.6	56.5	73.7	48.5	68.0	19.0	73.7	33.0	90.4	54.1	35.8	47.0
1	2	Near Residual Pile on Tip Floor	38.7	34.6	48.1	15.5	44.4	18.9	17.2	21.1	23.3	14.3	31.3	36.9	27.6	52.4	42.4	51.3	37.3	48.6	17.4	79.3	17.1	41.7	36.2	41.2	69.3	108.7	39.0
1	3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	27.5	43.6	56.1	16.9	48.9	37.8	9.7	9.0	21.1	7.3	12.9	20.9	34.6	41.5	18.4	26.0	74.4	14.1	18.1	21.0	16.3	32.1	34.5	37.2	20.3	46.6	28.7
2	4	Between C1450 and C520	38.6	90.3	56.1	18.1	48.7	18.1	16.9	19.6	27.3	14.5	25.3	41.9	33.3	25.4	19.8	15.3	43.4	20.8	16.6	29.4	18.7	46.9	31.4	41.6	24.5	40.8	31.7
2	5	Near C740	39.1	23.9	53.8	23.6	85.9	21.3	19.6	28.6	17	12.3	55.8	39.4	24.4	36.9	44.2	22.5	66.3	54.0	26.2	20.0	46.1	49.8	24.6	51.5	41.0	44.1	37.4
1	6	Near MRF Floor Sump	65.8	78.4	77.7	16.3	46.2	18.9	17.2	21.1	23.3	14.3	31.3	36.9	27.6	25.2	24.6	16.2	19.8	17.0	16.2	24.8	9.1	84.9	23.9	39.2	27.9	26.9	32.0
2	7	Between C500 and Eyewash, In Front of Control Room	13.2	15.2	79.3	27.6	150.9	18.2	15.1	14.7	25.5	16.1	30	24.8	26.8	33.8	33.4	32.2	30.7	23.6	18.3	23.8	22.7	43.9	27.4	63.1	34.1	70.6	35.2
2	8	Between D930 and C980	19.1	34.7	33.5	28.0	93.9	62.7	45.1	52.1	51.8	34.4	108.1	65.8	65.0	46.8	27.3	20.2	52.2	28.2	20.7	30.2	42.6	47.5	25.8	50.7	49.6	47.3	45.5
2	9	Between D290 and D430	26.4	18.8	63.8	28.3	113.9	26.5	28.4	14.0	14.1	26.22	14.3	21.1	20.4	49.2	43.6	37.6	77.7	56.1	40.5	24.0	50.3	58.1	35.5	65.3	52.5	51.1	40.7
2	10	Between D180 and D120	17.2	21.1	23.3	32.5	84.6	52.4	90.5	59.9	43.8	65.2	15.5	24.3	35.5	74.5	73.1	65.0	82.6	67.4	41.1	33.9	67.0	71.2	28.4	57.9	55.6	58.6	51.6
2	11	Between M140 and D101	9.7	9.0	21.1	27.4	87.1	38.7	27.5	38.6	39.1	65.8	13.2	19.1	26.4	86.4	93.7	181.6	84.8	80.0	39.4	39.1	37.8	68.6	37.9	54.9	57.2	77.2	52.4
2	12	Between Trommels	16.9	19.6	27.3	45.6	112.1	34.6	43.6	90.3	23.9	78.4	15.2	34.7	18.8	115.9	101.3	64.2	305.9	102.9	22.8	46.2	63.0	80.6	30.1	80.4	84.3	99.5	67.6
2	13	Between AWS 550s	19.6	28.6	17	50.1	161.8	48.1	56.1	56.1	53.8	77.7	79.3	33.5	63.8	104.8	117.8	71.7	104.2	133.1	65.5	36.8	49.7	96.0	27.3	77.9	89.2	86.4	69.5

The facility was running MSW & SSR
All of the rollup doors were open
The MRF abstraction fans were on
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements, last calibrate 4/21/2022
Eagle 2 used for ammonia measurements, last calibrated 4/21/2022
Temptop M2000 AQ Meter for PM2.5, PM10, and CO2 used for PM measurements, last calibrated N/A

APPENDIX B - MRF BUILDING PLAN

BUILDING AREA TABULATION

		OCCUPANCY	NON OCCUPIED	OFFICES (B)	FACTORY (F-1)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F & S OCCUPANTS
MRF										
LEVEL 1										
101	ENTRY LOBBY	B		104			100	1.0	1.0	
102	INTERIOR STAIR	B		484			100	4.8	4.8	
103	MAIN UNIT									
104	MACHINE ROOM	B				60	300	0.2		0.2
	ELEVATOR	B				12	100	0.1	0.1	
105	SORTING	F1			28,714		500	28.7		28.7
106	TIP	S1			27,224		500	55.5		55.5
C1	COMPRESSOR	F1			711		500	1.4		1.4
E1	ELECTRICAL	S1				1,152	300	3.8		3.8
			0	588		67		146.7	6.7	139.0
LEVEL 1 TOTAL						69,004				
MEZZANINE 1										
120	INTERIOR STAIR	B		110			100	1.1	1.1	
	ELEVATOR SHAFT		64							
101	Not Used									
102	STAIR LOBBY	B		121			100	1.2	1.2	
103	ELEVATOR	B		8			100	0.1	0.1	
104	LOBBY	B		340			100	3.4	3.4	
105	MULTI-PURPOSE	B		1,242			15	82.8	82.8	
106	STORAGE 2	B		48			100	0.5		0.5
107	M/W 1	B		65			100	0.7	0.7	
108	M/W 2	B		75			100	0.7	0.7	
109	CONFERENCE	B		278			100	2.8	2.8	
110	OFFICE 1	B		134			100	1.3	1.3	
111	OFFICE 2	B		140			100	1.4	1.4	
112	OFFICE 3	B		140			100	1.4	1.4	
113	OFFICE 4	B		172			100	1.7	1.7	
114	LOCKER	B		175			100	1.8	1.8	
115	SHOWER	B		60			100	0.6	0.6	
116	M/W 3	B		64			100	0.6	0.6	
117	BREAK	B		215			100	2.2	2.2	
118	STORAGE 3	B		134			100	1.3		1.3
119	HALL 1	B		308			100	3.1	3.1	
120	HALL 2	B		311			100	3.1	3.1	
121	HALL 3	B		307			100	3.1	3.1	
122	STORAGE 3	B		91			100	0.9		0.9
			64	4,249	0	0		114.2	108.7	4.2
MEZZANINE 1 TOTAL						4,313				
MEZZANINE 2										
200	INTERIOR STAIR	B		121			100	1.2	1.2	
201	JAN									
202	STAIR LOBBY	B		117			100	1.2	1.2	
203	JAN	B		67			100	0.7	0.7	
	ELEVATOR SHAFT		64							
204	LOBBY	B		340			100	3.4	3.4	
205	OPEN OFFICE	B		408			100	4.1	4.1	
206	OFFICE 1	B		140			100	1.4	1.4	
207	OFFICE 2	B		140			100	1.4	1.4	
208	OFFICE 3	B		140			100	1.4	1.4	
209	CONFERENCE	B		964			10	96.4	96.4	
210	BREAK	B		634			100	6.3	6.3	
211	WOMEN	B		241			100	2.4	2.4	
212	MEN	B		721			100	7.2	7.2	
213	STORAGE	B				150	300	0.5		0.5
214	HALL	B		223			100	2.2	2.2	
			128	3,886	0	150		76.7	68.2	1.2
MEZZANINE 2 TOTAL						4,036				
BUILDING TOTAL			192	8,723	44,744	73,517		338.6	337.6	346

NOTE:

1. AREAS ARE GROSS SQUARE FEET, CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW

ALLOWABLE BUILDING AREA

PERIMETER AND OPEN SPACE INFORMATION (CBC 506)

NOTE: MRF FIT-UP

Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

M Measurements taken around 10-11am on 4/21/2021

The facility was running MSW

Most of the rollup doors were open

The MRF abstraction fans were off

The Tip Floor abstraction fans were on at 30 Hz

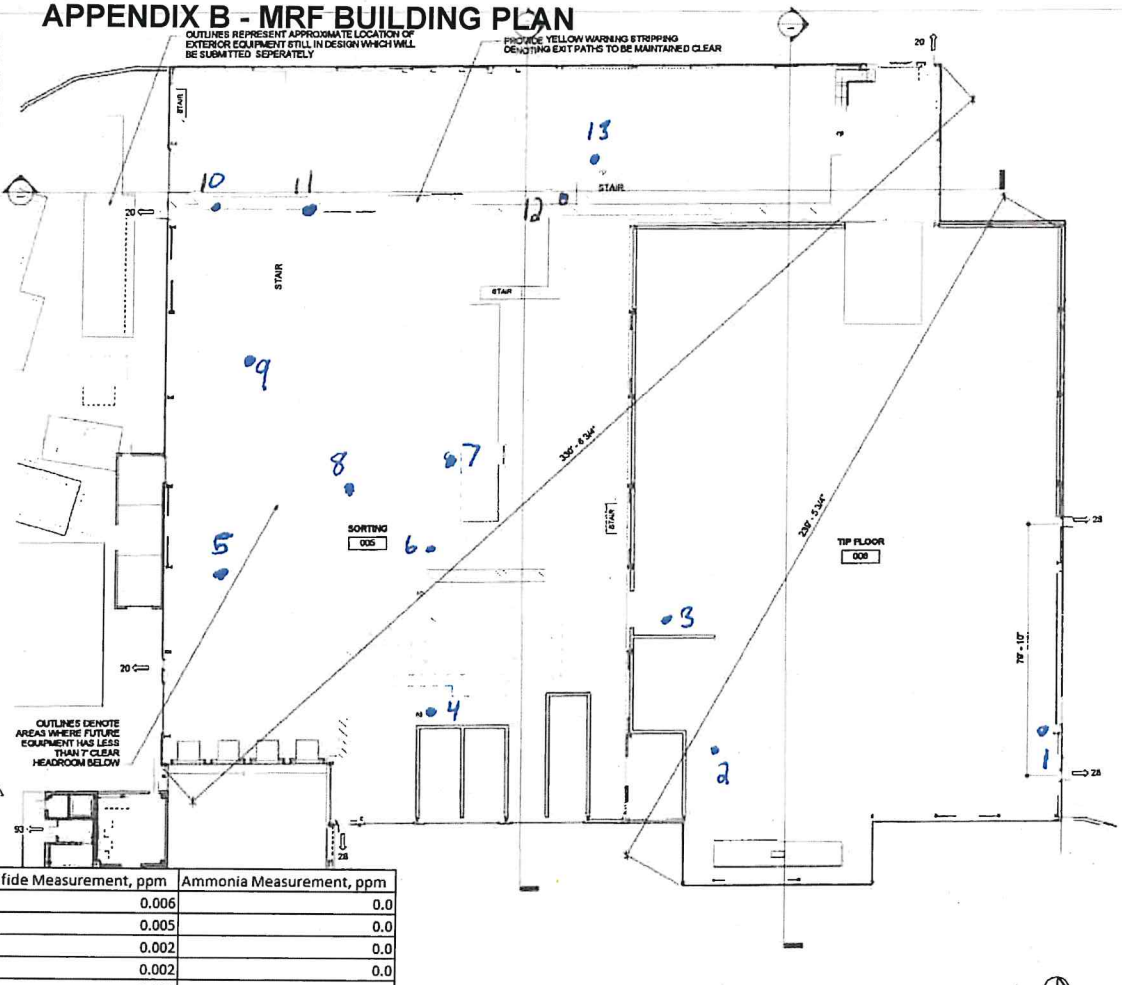
Jerome 631-x used for hydrogen sulfide measurements

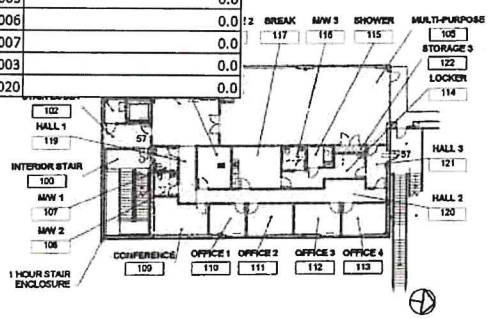
Eagle 2 used for ammonia measurements

	SERVICE SINKS	DRINKING FOUNTAINS
OMEN		
50:1		1-100:1
50:1		
00:1		
	1	1
	2	1 WATER COOLER

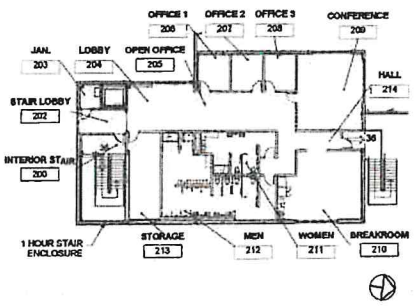
SE TO THE SPACES. SE HERE.

TH SORT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER WILL BE RUN OVERHEAD OH THE SORTING EQUIPMENT. AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.





2 MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



3 MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
383 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

CONSTRUCTION
DIANI COMPANIES

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GARY W. MADJEDI, ARCHITECT

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
6	Addenda PC 2	12/15/19	
5	Plan Check 2	8/13/19	

REVISIONS

STATUS REVIEW
DATE 8/8/19
PROJECT NO 19-0201

SHEET NAME
EXITING PLANS

SHEET NO
G200

MUSTANG RENEWABLE POWER VENTURES

17 Corporate Plaza Drive, Suite 200
Newport Beach, CA 92660
O: 805.259.9499

November 15, 2022

Aimee Long
Air Quality Specialist
Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110

Permit: ATC 14500 05
H.B. Case No. 2021-12-R

RE: MSB Investors, LLC
ReSource Center (formerly Tajiguas Resource Recovery Project)
Variance Update Due to Alisal Fire Impact

Aimee:

In response to the Variance granted by the Hearing Board on December 1, 2021 in connection with H.B. Case No. 2021-12-R we offer the following request:

Our air quality consultant, AECOM, worked closely with the District engineers over the past 12 months in responding to their requests for additional AQ/HRA analysis related to the MRF biofilter facilities. This was submitted to District engineering on July 1st and has been the source of continuous discussions with the district staff since then.

Our general contractor, Diani Building Corp., Santa Maria, CA, has completed a detailed estimate for the repairs and replacement of the baghouse filters adjacent to the damaged MRF biofilter facilities. The estimated dates for completion of the repair and replacement of the baghouse filters is now May-June 2023, based on Diani's estimated 16 week construction schedule estimated to commence as of January 2023 following completion of a CEQA analysis of the repair and replacement project and Board of Supervisors (BOS) approval of such anticipated for December 2022 or January 2023. Our goal of course is to have the damaged equipment repaired and replaced with emission control systems approved by the District's engineering staff on or prior to the expiration of this Variance. Considering the estimated timeframe to complete the CEQA analysis, BOS approval and Diani construction we will need to consider an extension of our Variance due to expire at the end of October. Please advise what steps we should take to process an extension or new Variance.

As stated in our petition for the Variance, we took preventative measures once the scrubbers became non-operational such as additional building ventilation and indoor air monitoring on a weekly basis. The indoor air monitoring continues to observe indoor air measurements of H2S and NH3 of approximately 2-5% of the MRF biofilter emission limits. The indoor air levels of H2S and NH3 were and continue to be extremely low due to the speed at which organic waste is processed through the building to loadout trucks for transfer to the ADF for further processing in-vessel.

Attached please find a schedule, Appendix A – MRF Indoor Air Sampling, showing the indoor air measurements of H2S, NH3, PM 2.5 and PM 10 taken at 13 locations inside the MRF building depicted on Appendix B – MRF Building Plan over the period from May through October 28, 2022 (i.e., a 5-month lookback).

Please let me know if you have any questions on the above or the attached.

Sincerely,

MSB Investors, LLC

John Dewey
CEO & Managing Member

APPENDIX A - MRF INDOOR AIR SAMPLING

Facility Emissions During Operations Without Operational Biofilters and Baghouses

			Friday (5/6/22)	Friday (5/13/22)	Friday (5/20/22)	Friday (5/27/22)	Friday (6/3/22)	Friday (6/10/22)	Friday (6/17/22)	Friday (6/23/22)	Friday (6/30/22)	Friday 7/15/2022	Friday 7/22/2022	Friday 7/29/2022	Friday (8/5/22)	Friday 8/12/2022	Friday 8/19/2022	Friday 8/26/2022	Friday (9/2/22)	Friday 9/9/2022	Friday 9/16/2022	Friday 9/23/2022	Friday 9/30/2022	Friday (10/7/22)	Friday 10/14/202	Friday 10/21/202	Friday 10/28/202	5/6/22 - 10/28/22
MSW	Point	Location Description	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)	H2S (ppmv)
1	1	East Corner of Tip Floor Rollup Door	0.003	0.004	0.003	0.004	0.005	0.003	0.004	0.008	0.011	0.006	0.025	0.003	0.008	0.009	0.007	0.007	0.024	0.010	0.015	0.010	0.001	0.005	0.001	0.008	0.008	0.008
1	2	Near Residual Pile on Tip Floor	0.004	0.003	0.002	0.004	0.006	0.006	0.004	0.004	0.005	0.005	0.035	0.004	0.004	0.007	0.006	0.013	0.007	0.008	0.007	0.026	0.010	0.007	0.009	0.006	0.007	0.008
1	3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.007	0.001	0.006	0.023	0.003	0.001	0.004	0.003	0.009	0.006	0.006	0.002	0.006	0.006	0.006	0.010	0.006	0.006	0.006
2	4	Between C1450 and C520	0.012	0.005	0.004	0.003	0.002	0.002	0.003	0.004	0.001	0.002	0.001	0.004	0.002	0.003	0.002	0.007	0.005	0.004	0.002	0.005	0.006	0.002	0.005	0.001	0.002	0.004
2	5	Near C740	0.002	0.009	0.003	0.004	0.006	0.004	0.005	0.004	0.004	0.001	0.003	0.002	0.004	0.003	0.001	0.013	0.003	0.006	0.004	0.006	0.004	0.007	0.006	0.004	0.002	0.005
1	6	Near MRF Floor Sump	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.000	0.003	0.004	0.002	0.002	0.003	0.006	0.003	0.007	0.004	0.006	0.002	0.007	0.004	0.004	0.003	0.004	0.003	0.005
2	7	Between C500 and Eyewash, In Front of Control Room	0.004	0.006	0.000	0.000	0.003	0.003	0.002	0.004	0.003	0.005	0.004	0.003	0.003	0.005	0.002	0.014	0.006	0.007	0.004	0.006	0.009	0.006	0.006	0.005	0.003	0.005
2	8	Between D930 and C980	0.003	0.004	0.003	0.004	0.005	0.003	0.004	0.008	0.001	0.004	0.003	0.003	0.003	0.003	0.004	0.015	0.005	0.004	0.004	0.007	0.005	0.006	0.006	0.003	0.003	0.005
2	9	Between D290 and D430	0.004	0.003	0.002	0.004	0.006	0.006	0.004	0.004	0.001	0.002	0.004	0.001	0.003	0.003	0.001	0.012	0.003	0.006	0.004	0.006	0.006	0.007	0.006	0.003	0.003	0.005
2	10	Between D180 and D120	0.009	0.006	0.005	0.003	0.006	0.004	0.004	0.009	0.002	0.002	0.004	0.001	0.004	0.003	0.002	0.013	0.002	0.005	0.004	0.007	0.006	0.006	0.006	0.003	0.003	0.005
2	11	Between M140 and D101	0.011	0.023	0.014	0.010	0.007	0.010	0.020	0.029	0.005	0.001	0.004	0.002	0.003	0.004	0.002	0.009	0.001	0.006	0.001	0.007	0.006	0.006	0.004	0.004	0.003	0.008
2	12	Between Trommels	0.028	0.018	0.013	0.013	0.048	0.014	0.032	0.007	0.009	0.006	0.005	0.004	0.004	0.005	0.003	0.025	0.004	0.007	0.005	0.023	0.010	0.009	0.007	0.005	0.003	0.013
2	13	Between AWS 550s	0.011	0.011	0.009	0.005	0.006	0.006	0.008	0.012	0.008	0.008	0.003	0.001	0.003	0.003	0.004	0.009	0.002	0.006	0.001	0.012	0.006	0.006	0.005	0.003	0.006	0.007

MSW	Point	Location Description	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)	NH3 (ppmv)
1	1	East Corner of Tip Floor Rollup Door	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
1	2	Near Residual Pile on Tip Floor	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.500	0.000	0.500	0.058
1	3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
2	4	Between C1450 and C520	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
2	5	Near C740	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
1	6	Near MRF Floor Sump	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.096
2	7	Between C500 and Eyewash, In Front of Control Room	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.173
2	8	Between D930 and C980	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.058
2	9	Between D290 and D430	0.500	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.154
2	10	Between D180 and D120	0.000	0.000	0.000	0.500	0.000	0.500	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.500	0.000	1.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.135
2	11	Between M140 and D101	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.500	0.096
2	12	Between Trommels	0.500	1.000	0.000	0.000	0.000	0.000	0.500	0.000	1.000	1.000	0.000	0.500	0.500	0.000	0.000	1.500	0.500	0.000	0.000	0.500	0.000	0.500	0.500	0.000	0.500	0.329
2	13	Between AWS 550s	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	1.000	0.000	0.000	0.000	0.500	0.000	0.500	1.500	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.500	0.192

MSW	Point	Location Description	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)	PM2.5 (ug/m3)
1	1	East Corner of Tip Floor Rollup Door	25.2	6.4	6.3	13.3	4.7	8.2	17.7	21.7	19.8	22.4	46.7	33.2	42.6	29.2	40.7	13.6	44.9	22.2	59.3	34.8	27.1	29.3	22.0	52.0	66.8	27.5
1	2	Near Residual Pile on Tip Floor	11.8	11.4	13.3	17.8	10.0	17.0	25.7	20.4	21.5	31.4	29.2	22.2	26.6	10.5	46.3	10.9	26.3	23.6	25.0	42.8	63.9	55.3	33.5	71.1	59.2	23.6
1	3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	14.1	13.3	18.7	10.8	8	34.8	23.1	15.3	31.0	18.7	16.5	40.4	10.1	11.8	13.7	10.7	20.9	22.4	24.6	14.3	27.8	35.2	14.5	41.6	19.4	21.7
2	4	Between C1450 and C520	13.7	9.8	12.7	11.8	9.2	20.1	24.0	19.7	16.7	15.4	10.0	27.6	13.5	10.9	16.1	12.0	31.5	20.3	28.4	16.9	25.7	18.2	20.2	34.0	9.6	18.3
2	5	Near C740	12.2	8.7	10	16.5	9.2	19.3	16.7	17.2	22.4	34.5	15.0	40.4	36.2	18.8	13.4	27.3	31.7	16.7	34.5	27.2	28.0	32.7	26.4	48.0	21.6	21.6
1	6	Near MRF Floor Sump	38.4	27.1	33.2	33.9	22.7	67.1	42.4	51.9	19.6	16.8	11.0	13.0	11.5	10.8	16.6	6.2	51.4	15.1	23.7	19.1	17.1	27.2	11.3	38.1	11.5	25.7
2	7	Between C500 and Eyewash, In Front of Control Room	24.8	40.5	10.5	12.5	22.6	31.3	38.5	48.9	26.8	22.4	20.8	19.5	15.4	11.4	15.2	14.1	29.1	17.9	39.7	22.9	43.2	56.4	18.1	45.0	17.9	30.6
2	8	Between D930 and C980	24.7	42.2	8.5	9.9	27.3	26.6	30.6	48.8	15.7	19.5	13.3	32.4	18.4	13.3	20.2	25.2	32.6	17.4	34.2	34.0	30.9	41.2	24.7	46.3	23.1	31.4
2	9	Between D290 and D430	16.7	50.2	9.5	10.3	12.5	51.4	74.3	72.8	38.8	34.6	29.1	47.7	34.0	25.4	16.8	31.2	37.2	22.9	42.2	34.7	32.6	76.3	29.6	49.1	30.5	40.0
2	10	Between D180 and D120	34.5	49.9	46.4	14.5	42.3	49.0	72.4	81.4	45.4	48.2	42.0	49.7	42.3	25.6	21.8	41.7	45.3	17.9	337.3	36.4	35.4	80.7	38.2	62.3	35.7	53.3
2	11	Between M140 and D101	9.3	17	9.1	11.1	19.9	52.1	61.8	67.2	55.8	54.8	118.3	52.3	49.0	25.0	25.0	23.2	44.2	25.0	36.1	37.3	48.5	98.1	29.9	54.7	41.8	38.3
2	12	Between Trommels	17.1	15.6	11.7	14.4	14.8	19.7	22.3	21.6	88.5	72.4	40.9	181.5	66.9	14.1	28.4	37.4	52.3	20.1	50.6	54.8	49.3	85.8	38.3	44.1	50.1	42.8
2	13	Between AWS 550s	26.3	18.6	16.3	21.5	18.1	23.5	18.4	19.5	76.4	69.8	46.7	64.5	85.8	39.9	23.7	30.1	63.0	23.7	50.2	57.5	53.1	53.7	30.2	50.1	63.7	40.9

MSW	Point	Location Description	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)	PM10 (ug/m3)
1	1	East Corner of Tip Floor Rollup Door	35.5	26.4	18.8	63.8	30.1	29.6	62.1	53.4	49.8	51.1	81.6	56.5	73.7	48.5	68.0	19.0	73.7	33.0	90.4	54.1	35.8	46.9	30.8	83.0	111.8	47.0
1	2	Near Residual Pile on Tip Floor	18.9	17.2	21.1	23.3	14.3	31.3	36.9	27.6	52.4	42.4	51.3	37.3	48.6	17.4	79.3	17.1	41.7	36.2	41.2	69.3	108.7	91.0	52.4	114.2	100.4	39.0
1	3	Corridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	37.8	9.7	9.0	21.1	7.3	12.9	20.9	34.6	41.5	18.4	26.0	74.4	14.1	18.1	21.0	16.3	32.1	34.5	37.2	20.3	46.6	56.3	23.0	64.2	31.4	28.7
2	4	Between C1450 and C520	18.1	16.9	19.6	27.3	14.5	25.3	41.9	33.3	25.4	19.8	15.3	43.4	20.8	16.6	29.4	18.7	46.9	31.4	41.6	24.5	40.8	30.6	30.8	51.0	14.2	31.7
2	5	Near C740	21.3	19.6	28.6	17	12.3	55.8	39.4	24.4	36.9	44.2	22.5	66.3	54.0	26.2	20.0	46.1	49.8	24.6	51.5	41.0	44.1	85.0	43.3	76.2	33.5	37.4
1	6	Near MRF Floor Sump	18.9	17.2	21.1	23.3	14.3	31.3	36.9	27.6	25.2	24.6	16.2	19.8	17.0	16.2	24.8	9.1	84.9	23.9	39.2	27.9	26.9	43.9	16.2	58.9	18.4	32.0
2	7	Between C500 and Eyewash, In Front of Control Room	18.2	15.1	14.7	25.5	16.1	30	24.8	26.8	33.8	33.4	32.2	30.7	23.6	18.3	23.8	22.7	43.9	27.4	63.1	34.1	70.6	92.0	29.4	69.6	27.4	35.2
2	8	Between D930 and C980	62.7	45.1	52.1	51.8	34.4	108.1	65.8	65.0	46.8	27.3	20.2	52.2	28.2	20.7	30.2	42.6	47.5	25.8	50.7	49.6	47.3	65.9	39.8	72.8	35.6	45.5
2	9	Between D290 and D430	26.5	28.4	14.0	14.1	26.22	14.3	21.1	20.4	49.2	43.6	37.6	77.7	56.1	40.5	24.0	50.3	58.1	35.5	65.3	52.5	51.1	124.7	48.0	79.6	50.0	40.7
2	10	Between D180 and D120	52.4	90.5	59.9	43.8	65.2	15.5	24.3	35.5	74.5	73.1	65.0	82.6	67.4	41.1	33.9	67.0	71.2	28.4	57.9	55.6	58.6	131.9	61.9	106.1	58.5	51.6
2	11	Between M140 and D101	38.7	27.5	38.6	39.1	65.8	13.2	19.1	26.4	86.4	93.7	181.6	84.8	80.0	39.4	39.1	37.8	68.6	37.9	54.9	57.2	77.2	163.8	49.8	89.1	64.8	52.4
2	12	Between Trommels	34.6	43.6	90.3	23.9	78.4	15.2	34.7	18.8	115.9	101.3	64.2	305.9	102.9	22.8	46.2	63.0	80.6	30.1	80.4	84.3	99.5	142.0	62.9	69.6	76.2	67.6
2	13	Between AWS 550s	48.1	56.1	56.1	53.8	77.7	79.3	33.5	63.8	104.8	117.8	71.7	104.2	133.1	65.5	36.8	49.7	96.0	27.3	77.9	89.2	86.4	86.2	43.3	81.6	84.1	69.5

The facility was running MSW & SSR
All of the rollup doors were open
The MRF abstraction fans were on
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements, last calibrate 4/21/2022
Eagle 2 used for ammonia measurements, last calibrated 4/21/2022
Temptop M2000 AQ Meter for PM2.5, PM10, and CO2 used for PM measurements, last calibrated N/A

APPENDIX B - MRF BUILDING PLAN

BUILDING AREA TABULATION

			OCCUPANCY	NON OCCUPIED	OFFICES (B)	FACTORY (F-1)	STORAGE (S-1)	SF/OCC	OCCUPANT COUNT	B OCCUPANTS	F & S OCCUPANTS
MRF											
LEVEL 1											
	001	ENTRY LOBBY	B		104			100	1.0	1.0	
	002	INTERIOR STAIR	B		484			100	4.8	4.8	
	003	Not Used									
	004	MACHINE ROOM	B				60	300	0.2		0.2
		SORTER	B				27	300	0.0	0.0	
	005	SORTING	F1			39,714		500	79.4		79.4
	006	TIP	S1			27,691		500	55.4		55.4
	07	COMPACTOR	F2			714		500	1.4		1.4
	08	ELECTRICAL	S1				133	300	0.4		0.4
				0	588	68,144	87		136.4	6.7	136.4
LEVEL 1 TOTAL							68,231				
MEZZANINE 1											
	100	INTERIOR STAIR	B		116			100	1.2	1.2	
		ELEVATOR SHAFT		0							
	101	Not Used									
	102	STAIR LOBBY	B		324			100	3.2	3.2	
	103	JANITOR	B		67			300	0.2	0.2	
	104	LOBBY	B		340			100	3.4	3.4	
	105	MULTI-PURPOSE	B		1,212			15	87.1	87.1	
	106	STORAGE 3	B		93			300	0.3		0.3
	107	MW 1	B		68			100	0.7	0.7	
	108	MW 2	B		73			100	0.7	0.7	
	109	CONFERENCE	B		223			100	0.6	0.6	
	110	OFFICE 1	B		130			100	1.3	1.3	
	111	OFFICE 2	B		140			100	1.4	1.4	
	112	OFFICE 3	B		140			100	1.4	1.4	
	113	OFFICE 4	B		170			100	1.7	1.7	
	114	LOCKER	B		176			300	0.6	0.6	
	115	SHOWER	B		60			100	0.6	0.6	
	116	MW 3	B		68			100	0.7	0.7	
	117	BREAK	B		217			100	2.2	2.2	
	118	STORAGE 2	B		133			300	0.4		0.4
	119	HALL 1	B		300			100	3.0	3.0	
	120	HALL 2	B		331			100	3.3	3.3	
	121	HALL 3	B		307			100	3.1	3.1	
	122	STORAGE 3	B		93			300	0.3		0.3
				0	4,249	0	0		114.2	114.2	2.2
MEZZANINE 1 TOTAL							4,249				
MEZZANINE 2											
	200	INTERIOR STAIR	B		125			100	1.2	1.2	
	201	Not Used									
	202	STAIR LOBBY	B		117			100	1.2	1.2	
	203	JAN.	B		67			300	0.2	0.2	
		ELEVATOR SHAFT		0							
	204	LOBBY	B		340			100	3.4	3.4	
	205	OPEN OFFICE	B		400			100	4.0	3.4	
	206	OFFICE 1	B		140			100	1.4	1.4	
	207	OFFICE 2	B		130			100	1.3	1.3	
	208	OFFICE 3	B		140			100	1.4	1.4	
	209	CONFERENCE	B		1,340			15	89.3	89.3	
	210	BREAK	B		631			100	6.3	6.3	
	211	WOMEN	B		276			100	2.8	2.8	
	212	MEN	B		725			100	7.3	7.3	
	213	STORAGE	B				226	300	0.8		0.8
	214	HALL	B		425			100	4.3	4.3	
				0	5,268	0	226		92.7	89.2	3.5
MEZZANINE 2 TOTAL							4,494				
BUILDING TOTAL				0	9,725	68,144	1,577		206.9	203.4	3.5
							70,631				

NOTE:

1. AREAS ARE GROSS SQUARE FEET, CALCULATED TO CENTER OF SHARED WALLS AND OUTSIDE FACE OF EXTERIOR WALLS

NOTE: ALL AREAS IN TABLE DOUBLE CHECKED PRIOR TO GENERATING MINIMUM PLUMBING FIXTURES COUNT TABEL BELOW

ALLOWABLE BUILDING AREA

PERIMETER AND OPEN SPACE INFORMATION (CBC 506)

NOTE: MRF FIT-UP

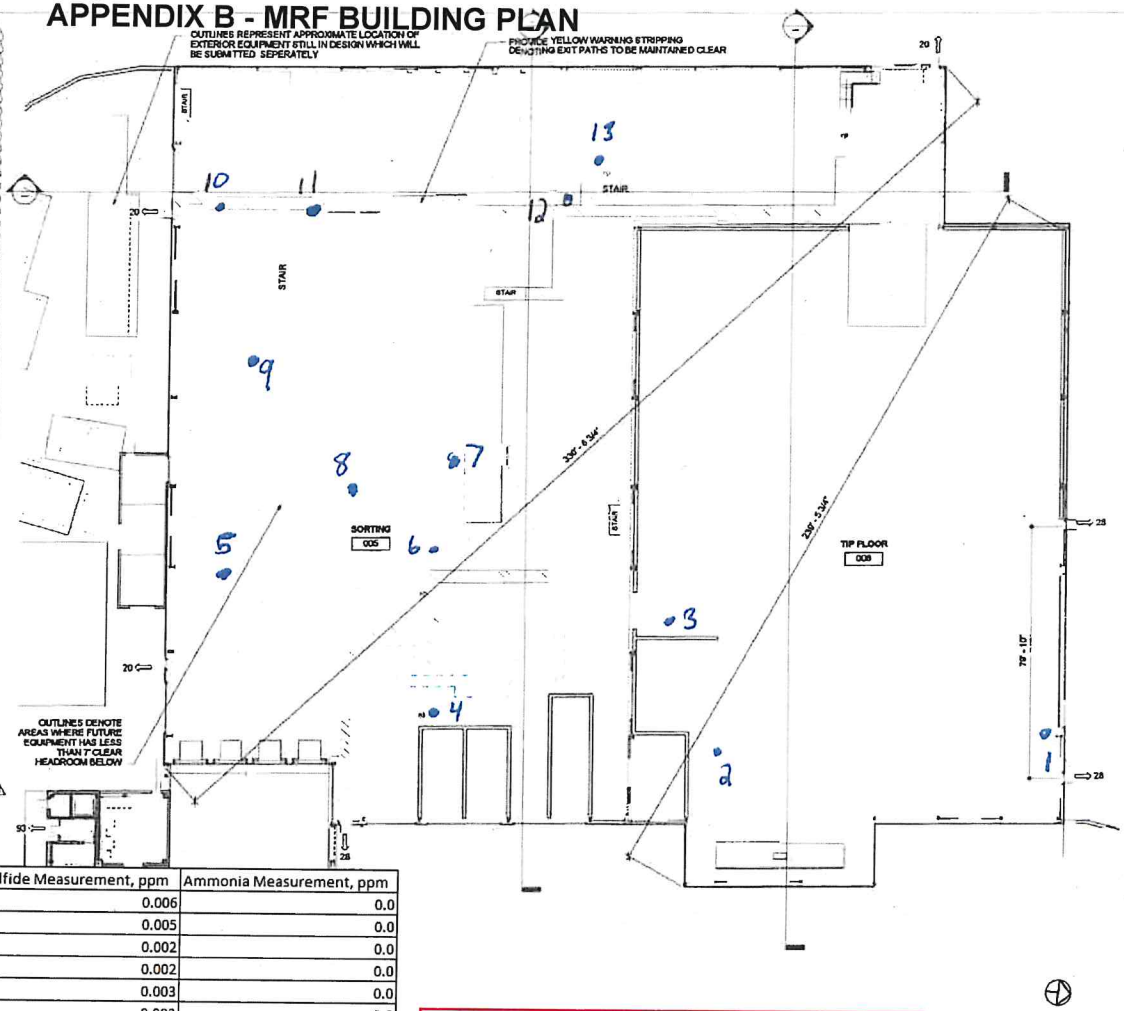
Point	Location Description	Hydrogen Sulfide Measurement, ppm	Ammonia Measurement, ppm
1	East Corner of Tip Floor Rollup Door	0.006	0.0
2	Near Resigual Pile on Tip Floor	0.005	0.0
3	Cooridor Between MRF and Tip Floor (air moving from MRF to Tip Floor)	0.002	0.0
4	Between C1450 and C520	0.002	0.0
5	Near C740	0.003	0.0
6	Near MRF Floor Sump	0.003	0.0
7	Between C500 and Eyewash, In Front of Control Room	0.002	0.0
8	Between T930 and C980	0.003	0.0
9	Between T290 and T930	0.006	0.0
10	Between T180 and T120	0.003	0.0
11	Between M140 and D101	0.006	0.0
12	Between Trommels	0.007	0.0
13	Between AWS 550s	0.003	0.0
14	Tip Floor Scrubber Inlet (at pressure transmitter)	0.020	0.0

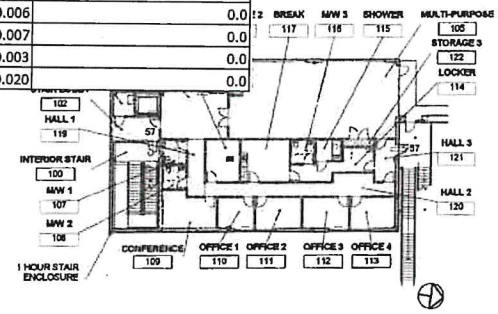
M Measurements taken around 10-11am on 4/21/2021
The facility was running MSW
Most of the rollup doors were open
The MRF abstraction fans were off
The Tip Floor abstraction fans were on at 30 Hz
Jerome 631-x used for hydrogen sulfide measurements
Eagle 2 used for ammonia measurements

	SERVICE SINKS	DRINKING FOUNTAINS
OMEN		
150:1		1-130:1
150:1		
200:1		
	1	1
	2	1 WATER COOLER

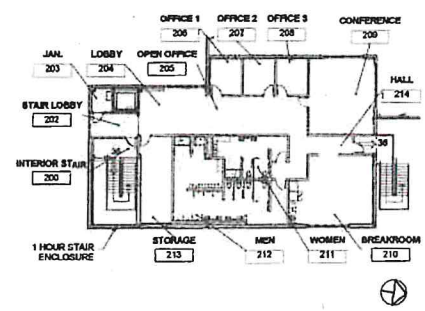
AS TO THE SPACES SE HERE

THE SORT FLOOR HAS FLOOR DRAINS. WATER LINES SERVED BY RECYCLED WATER WILL BE RUN OVERHEAD ON THE SORTING EQUIPMENT. AGAIN A SERVICE SINK WOULD NOT BE APPROPRIATE.





2 MEZZANINE 1 EXITING PLAN
1/16" = 1'-0"



3 MEZZANINE 2 EXITING PLAN
1/16" = 1'-0"

MRF

MRF
MATERIAL RECOVERY FACILITY
383 TAJIGUAS LANDFILL ROAD
GOLETA, CA

TAJIGUAS RESOURCE RECOVERY PROJECT

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GARY W. MADJEDI
No. 6 EXP. 12/31/21
STATE OF CALIFORNIA

FIT-UP PERMIT - EVERYTHING EXCEPT:
- FOUNDATIONS
- CONCRETE BUILDING WALLS
- METAL BUILDING AND SIDING

PERMIT NO: 19REV-00345

NO	DESCRIPTION	DATE	BY
6	Addenda PC 2	10/15/19	
5	Permit Set 2	9/13/19	

REVISIONS

STATUS REVIEW
DATE 8/8/19
PROJECT NO 180301

SHEET NAME
EXITING PLANS

SHEET NO
G200