CONSTRUCTION

	DRAWING SHEET INDEX	SOURCE	EIR MATRIX DATA	SCALE	6/13/2015	7/25/2015	8/1/2015	8/7/2015	8/19/2015	8/31/2015
SHEET #	**SHEET TITLE**									
SHEET #	**SHEET TITLE**									
CN0	**CONSTRUCTION**									
CN-01	CONSTRUCTION EQUIPMENT TYPE	FACEBOOK	**I2**	NTS	●					
CN-02	EXPORTED & IMPORTED SOIL INFORMATION	FACEBOOK	**J1**	NTS	●					
CN-03	DEMOLITION MATERIAL DATA	FACEBOOK	**J2**	NTS	●					
CN-04	HAUL TRUCK TRIP FOR CONSTRUCTION PHASE	FACEBOOK	**J3**	NTS	●					
CN-05	EIR WATER USE PER PHASE	FACEBOOK	**J9**	NTS	●					
CN-06	STATIONARY COMBUSTION SOURCES	GP	**M1**	NTS			●			
CN-07	COMBUSTION ENGINE LOCATION PLAN	PAE	**M1**	NTS					●	
CN-08	POTENTIAL STAGING AREAS	FACEBOOK	**J10**	NTS	●					
CN-09	DATES OF PHASE CONSTRUCTION	FACEBOOK	**I1**	NTS		●				

MEMO

Date:	July 28, 2015
Project:	Facebook TE Campus
Project No.	15-1434
To:	Judith Mussel
From:	Scott Bevan, PE
Subject:	TE Campus Generator Summary
Distribution:	Kristin Ragins (GP), Ryan Patterson (FB)

This memo is intended to provide response to Item M1 of the Environmental Impact Report (EIR) Data Needs Matrix pertaining to stationary combustion sources.

EIR Data Needs Matrix, Item M1

Will there be stationary combustion sources (e.g. emergency generators, diesel-powered fire pumps)? If so, please provide the types, their horsepower, their hours of operation (hours per day and days per year), what fuel they will burn (gasoline, diesel, propane, natural gas, biofuel, etc.), and their location.

Response

Yes, stationary combustion sources anticipated are diesel generators used for emergency and standby electrical power as follows:

Facebook TE Campus Generator Summary			
	MPK21	MPK22	MPK24
Generator Quantity	2	2	1
Rated Standby Capacity (each)	500kW	500kW	500kW
Stack Height	8 in	8 in	8 in
Fuel Type	Diesel	Diesel	Diesel
Fuel Capacity	300 gallons	300 gallons	300 gallons
Fuel Consumption Rate (100% load)	37 gal/hr	37 gal/hr	37 gal/hr
Stack Diameter	6 in	6 in	6 in
Exit Gas Flow Rate	3842cfm	3842cfm	3842cfm
Exit Gas Temp	942°F	942°F	942°F
Engine Horsepower	762 HP	762 HP	762 HP
Engine Make/Model	CAT C15 DITA	CAT C15 DITA	CAT C15 DITA
Annual Hours of Operation	12 hours	12 hours	12 hours
EPA Certification	Stationary Emergency Application (Tier 2)	Stationary Emergency Application (Tier 2)	Stationary Emergency Application (Tier 2)
Emission Test Data (grams per kW-hour)	CO: 3.5 Nox + HC: 6.4 PM: 0.2	CO: 3.5 Nox + HC: 6.4 PM: 0.2	CO: 3.5 Nox + HC: 6.4 PM: 0.2
Exhaust Modifications	None	None	None

No other stationary combustion sources are anticipated.

Please contact our office with questions.

FOR REFERENCE ONLY - HAS BEEN SUBMITTED PREVIOUSLY

Facebook Campus Expansion

Buildings 21, 22 & Hotel Site

301-309 Constitution Drive, Menlo Park, California

Gehry Partners, LLP

STATIONARY COMBUSTION SOURCES | **CN-06**

SCALE = AS NOTED

AUGUST 01, 2015

COMBUSTION ENGINE LOCATION

FOR REFERENCE ONLY - HAS BEEN SUBMITTED PREVIOUSLY

Facebook Campus Expansion

Buildings 21, 22 & Hotel Site

301-309 Constitution Drive, Menlo Park, California

Gehry Partners, LLP

COMBUSTION ENGINE LOCATION PLAN | **CN-07**

AUGUST 19, 2015