BergerABAM

210 East 13th Street, Suite 300, Vancouver, Washington 98660-3231
360/823-6100 • 360/823-6101 Fax • www.abam.com

23 February 2015

Mr. Stephen Posner
Energy Facility Site Evaluation Council
Washington Utilities and Transportation Commission
P.O. Box 43172
Olympia, WA 98504-3172

Subject: Vancouver Energy
EFSEC Application No. 2013-01, Docket No. EF131590
Response to EFSEC Draft EIS Data Request 2

Dear Mr. Posner:

On behalf of Vancouver Energy (the Applicant), BergerABAM is providing a response to the Energy Facility Site Evaluation Council's (EFSEC) Draft EIS Data Request 2, dated 30 January 2015.

Please feel free to contact me at 206/431-2373, or irina.makarow@abam.com, if you have any questions about this submittal. We look forward to further coordination with you, your staff, and EFSEC's consultants.

Sincerely,

Irina Makarow
Senior Environmental Project Manager

IM:keh
cc:
Kelly Flint, Savage Companies
Jay Derr, Van Ness Feldman

Code	Data Request Item	Applicant Response
Project Description		
PD-3	Does Tesoro-Savage intend to receive crude oil at the proposed terminal facility from areas other than the Williston Basin within Montana and North Dakota? a. For crude oils originating other than in the Williston Basin within Montana and North Dakota, are there likely rail routes from the origin to the proposed facility that have been identified?	Please refer to the letter addressed to EFSEC dated 5 February 2015, Attachment 1 to this response. Unit trains delivering crude oil to the Facility may depart from the Williston Basin as well as from other areas from mid-continental North America. PDEIS Section 1.2.3.2 states: "The Applicant proposes this Facility in response to West Coast demand for mid-continent crude oil. For purposes of this EIS, mid-continent oil is defined as crude oil that is produced in mid continental North America from emerging crude oil resources. These resources are addressed in more detail in Section 1.3.7 below. Oil production in portions of the United States (U.S.) and Canada is growing, resulting in the increased availability of crude oil from the well sites, primarily in North Dakota, Montana, Colorado, Wyoming, and Texas to serve the U.S. domestic market." Section 1.3.7 identifies the various locations in mid-continental North America where crude oil is being extracted. See also Figure 1.3-15 of the PDEIS. As discussed on Section 1.3.7, and 5.1 of the PDEIS, based on the status of current shale play development within the U.S. and Canada, it is anticipated that trains arriving at the Facility would in the near future primarily depart from the Bakken region in North Dakota, as this is the shortest distance from loading to west coast delivery in the Pacific Northwest region. The delivery route presented in Section 5.1 of the PDEIS is indicative of the most likely route from the Williston Basin, however other origin locations and routes are possible. a. Section 5.1 of the PDEIS states: "The Proposed Action would rely on the Class 1 railroads to deliver loaded unit trains to the Facility and deliver empty trains back to the loading facilities. As noted above, multiple routes could be used by the Class 1 railroads to deliver trains to the Facility, and the railroads route individual trains based on many factors; therefore, a specific route cannot be identified. Freight rail traffic is dynamic and unlike passenger service, it does not adhere to a fixed schedule or particular route. In general, freight trains can go any direction, at any time. Which route a freight train will take on a given day depends not only on convenience or distance, but also on other numerous factors, including weather events, customer needs, and market demands." All train routes from potential crude oil origins can therefore not be identified.
PD-4	The PDEIS describes "crude oil that requires heating". Please describe the source or sources of crude oil that would require heating at the proposed Facility during receipt and transshipment. In addition: a. Describe the physical	a. Section 4.16.12 of the PDEIS describes several types of physical characteristics that are used to describe crude oils. One of these is viscosity: "Viscosity and pour point are two characteristics that can be used to predict how easily oil would spread in the event of inadvertent release to the ground. Viscosity is a measure of how easily the oil would flow. Highly viscous materials flow more slowly, whereas less viscous materials flow more easily. The viscosity of crude oils is typically an inverse function of temperature, with viscosity decreasing at higher temperatures. Pour point is the lowest temperature at which an oil changes from a free-flowing liquid to a material that does not flow freely." For the most part the viscosity of a specific crude oil, not its source, will determine whether it will need to be heated upon receipt at the Facility to facilitate unloading, transfer to storage, and then transfer to

EX-0011-000003-PCE

Code	Data Request Item	Applicant Response
Project Description		
	characteristics of this crude oil that lead to the requirement for heating. b. What is the proposed schedule for initiating receipt of this crude oil at the proposed Facility and the duration of receipt of this crude oil for transshipment? c. Is there a range of daily volumes of this crude oil proposed for receipt and transshipment at the proposed facility?	marine vessels. Crude oil viscosity varies between crude oil plays and other types of deposits (e.g., oil sands), and can vary even within a single extraction field based on extraction methods. Other oil characteristics, such as high wax content, may also require that oil be heated to allow efficient unloading, transfer, and storage. As noted in Section 2.2.2.7: "The 30 unloading stations on Track 4105 would be equipped with steam connections to heat crude oil to approximately 150 degrees Fahrenheit (°F) to decrease its viscosity and allow it to flow more easily." Application of heat reduces the viscosity of crude oil, allowing it to be gravity unloaded within typical Facility operating timeframes for lighter crude oil, and more easily pumped through the Facility transfer pipelines. b. Please refer to the letter addressed to EFSEC dated 5 February 2015, presented as Attachment 1 to this response letter. Construction of the tanks (Phase 2) would begin as soon as Phase 1 is in operation. It is anticipated that construction of Phase 2 elements would take approximately 8 months. Thus the heated tanks would be commissioned and become operational approximately 8 months after Phase 1. From then on heavier crude oils which require heat to assist with handling would be received and handled for the life of the Facility. c. Daily receipt volumes of different qualities of crude oils cannot be predicted. Customer demand will dictate the type and volume of crude oil that will be received and transloaded at the Facility.
PD-5	Provide a complete list of refineries that could be reasonably anticipated to receive crude oil from the proposed Facility.	The crude oil trans-loaded to vessels at the Facility would be shipped to Refineries with marine receipt capability. Section 1.4.5.2 of the PDEIS describes the existing crude oil distribution infrastructure within PADD 5, including marine receipt. According to EIA references cited to in the PDEIS (reproduced below), the following refineries have marine receipt capability: Alaska: • Tesoro Petroleum: Alaska Kenai Refinery Washington: • BP Products North America: Cherry Point Refinery • Conoco Phillips: Ferndale Refinery • Shell Oil Products: Puget Sound Refinery • Tesoro Corporation: Anacortes Refinery • U.S. Oil and Refining: Tacoma Refinery Hawaii: • Chevron USA: Honolulu • Tesoro Petroleum: Barbers point.

EX-0011-000004-PCE

Code	Data Request Item	Applicant Response
Project Description		
		California: • Valero Refining: Benicia Refinery, Wilmington Refinery • • Tesoro Refining: Golden Eagle Refinery, Carson Refinery, Wilmington Los Angeles Refinery • Shell Oil Products: Martinez Refinery • Paramount Petroleum: Paramount Refinery • Conoco Phillips: Los Angeles Refinery, San Francisco Refinery • Chevron USA: El Segundo Refinery, Richmond Refinery • EXXON: Torrance Refinery It should be noted that the California crude oil marine receipt and distribution system also includes marine terminals (not necessarily associated with a specific refinery) that can offload to pipeline distribution systems that deliver to refineries. Therefore other inland refineries could ultimately also receive crude oil that has been transshipped through the Facility. EIA. 2014f. Washington State energy profile. Available at: http://www.eia.gov/state/print.cfm?sid=WA EIA, accessed 25 June 2014. 27 March 2014. EIA. 2014i. California state energy profile. Available at: http://www.eia.gov/state/print.cfm?sid=CA, accessed 19 June 2014. EIA. 2014l. Alaska state energy profile. Available at: http://www.eia.gov/state/print.cfm?sid=AK, accessed 27 March 2014. EIA. 2014m. Hawaii state energy profile. Available at: http://www.eia.gov/state/print.cfm?sid=HI, accessed 25 June 2014, updated 17 June 2014.
PD-6	The PDEIS states that the proposed Facility would be capable of receiving an average of 360,000 bbl/day, but also states that the proposed facility would be capable of receiving a maximum of 360,000 bbl/day. Please clarify both the average volume per day to be received	PDEIS statements that the Facility could receive 360,000 bpd on average are correct. Statements that erroneously used the term "maximum of 360,000 bpd" in terms of receipt volumes should be corrected to state "average of 360,000 bpd"; for example, at Section 4.15.2.1 at "Operations and Maintenance Impacts." Description of Facility crude oil receipts on an "average per day basis" is appropriate and consistent with the receipt threshold expressed in RCW 80.50.020 (12)(d). As described in Section 2.2.2.6 an average of four trains would be received, with a typical train delivering between 65,000 and 90,000 bbl of crude oil (see Section 2.2.2.7 of the PDEIS). Typically four trains will be received and unloaded each day. However on occasion, a fifth train may arrive within the daily 24 hour period, and begin unloading within that current 24

EX-0011-000005-PCE

Code	Data Request Item	Applicant Response
Project Description		
	at the proposed facility and the maximum volume per day the facility would be capable of receiving.	hour period, but would complete unloading in the following 24 hour period. It is anticipated that receipts would average out at 360,000 bpd. Please refer to the letter addressed to EFSEC dated 5 February 2015, attached.
PD-7	Provide a description of the constraints that govern the facility throughput capacity, including the actual frequency of vessel and rail arrivals and departures and the proposed storage tank capacity.	Please refer to the letter addressed to EFSEC dated 5 February 2015, Attachment 1 to this response. As described in the Applicant-prepared DEIS and in the Application for Site Certification, the Facility is proposed to receive on average 4 trains per day, and one vessel per day.
PD-8	The PDEIS states "To allow greater flexibility in operations, the transfer piping system would be designed to allow crude oil being unloaded in Area 200 to be directly conveyed to Area 400, Marine Terminal, for loading onto vessels. This capability would allow occasional topping off of vessel loads, and may allow the Facility to begin limited operation during the construction of the Area 300 storage tanks" (PDEIS, page 2-19). In relationship to this statement, please provide the range of loading times for vessels resulting from this approach and clarify if the direct transfer piping system would allow for the transfer of heated crude oil for loading onto the vessels.	As noted in Section 2.2.2.t of the PDEIS "Each unloading station would include: Hoses equipped with dry fit connectors used to gravity drain the crude oil from the tank car to a collection header pipe [...]". Transfer of crude oil directly from Area 200 for loading to vessels will therefore result in longer vessel loading times than when crude oil is transferred from the Area 300 storage tanks because the transfer rate will be limited by the gravity unloading rate from the tank cars. The rate is anticipated to be slightly less than half of the transfer rate direct from the storage tanks. Assuming that trains are consecutively staged, it is estimated that it would take 22 to 24 hours to unload four trains to fully load a 46 DWT vessel. A separate "direct transfer system" is not being proposed; rather the permanent transfer pipelines will be equipped with valves to direct crude oil flow towards Area 400 instead of Area 300 when this capability is needed. Only crudes that can be unloaded at ambient temperature (i.e., non heated) would be transferred on this manner. Heated crudes unloaded on the third unloading track will not be transferred directly to Area 400.

EX-0011-000006-PCE

Code	Data Request Item	Applicant Response
Project Description		
PD-9	The PDEIS states: "At the maximum loading rate, tankers servicing the terminal would require at least 15 hours to load to full capacity. However, the total time that vessels would be expected to be at the Facility would be approximately 24 hours based on the time needed to secure and release the vessels and as well as the lower fill rates used during initial and final loading." Provide additional description of proposed marine terminal operations including: a. A step-by-step description of the secure and release operations and any abnormal operations related to these. b. A description of the transfer fill rates throughout the loading process and the factors that affect a fill rate. c. The maximum number of vessels that could be docked at the same time. d. The maximum number of vessels that could be loaded at the same time.	a. Vessels arrive at the entrance to the Columbia River, and about 15 miles from the entrance board a Columbia River Bar Pilot. The Bar Pilot guides the vessel to Astoria where a Columbia River Pilot comes on board and the Bar Pilot disembarks. The Columbia River Pilot guides the vessel to the Vancouver Energy dock. During the transit to the dock, the pilot will update the terminal and vessel agent so that the terminal will be ready with line handlers to receive the vessel mooring lines on arrival at the dock. In the vicinity of Kelly Point, two large docking assist tugs will meet the vessel at the approximate location of the confluence of the Columbia and Willamette Rivers. One tug will be made fast (tied to) on the starboard bow and one tug made fast on the starboard quarter. The pilot will then guide the vessel on a slow approach using the docking assist system on the wharf as a guide to measure the speed of approach so that the vessel comes alongside the dock gently. Normally, the pilot will stop the vessel a couple of feet off the berth and use the tugs to push it alongside port side to the dock with the bow pointing upstream. The vessel's crew will then put out the forward and after spring lines to the dock while the pilot with the use of the tugs moves the vessel into position so that the shore loading hoses are lined up with the vessel's manifold. After the spring lines have been put out, tightened, and secured so the vessel cannot move up and down the dock, the breast lines are put out to hold the vessel firmly alongside. Finally, the vessel's headlines and stern lines are run to ensure the vessel is firmly secured alongside. Once the vessel is all fast and secured in place, the tugs are released. The dock shore gangway is then lowered to the deck to permit safe access for people to cross back and forth. After the gangway is on and the vessel is "all fast" the full wrap boom is put around the vessel to contain any potential for oil spill. Once the boom is in place the "Terminal Person In Charge" (TPIC) comes aboard the vessel and conducts a safety inspection with the ship's Chief Officer "Vessel Person In Charge" (VPIC). During the deck inspection, the cargo and vapor hoses are connected under the guidance of the vessel's Bosun, Pumpman, and a deck officer. After completion of cargo and vapor hose connection, the TPIC and VPIC conduct the Pretransfer Meeting (Key Meeting) During this meeting, all aspects of the cargo transfer are discussed, such as starting; coming up to rate; topping off; completion of loading; and any safety security concerns, including signals for shut downs should the primary, secondary, and tertiary means of communication fail. On completion of loading, the vessel is gauged by an independent third party cargo surveyor, and cargo quantities are reviewed, confirmed, and documented. The loading and vapor hoses are drained, disconnected, and fully blanked before they are retrieved by the shore. The vessel manifolds are fully blanked and secured. The containment boom around the vessel is removed and the second mate tests gear, the engines are tested ahead and astern, and the steering gear is tested as are communications and alarms.

EX-0011-000007-PCE

Code	Data Request Item	Applicant Response
Project Description		
		At this time, the pilot comes on board and the gangway is removed. Two large docking assist tugs are made fast on the starboard bow and starboard quarter. The tugs are then directed to push gently on the vessel, and the mooring lines are released from the shore and retrieved aboard ship starting with the head and stern lines, followed by the breast lines, and lastly the spring lines. Once the lines are all on board, the second mate on the stern passes the word to the bridge that the propeller is clear and all lines are on board. The pilot uses the tugs to pull the vessel off the berth and then turn the vessel to starboard in the channel until the bow is pointing down river. Once the vessel starts to make headway towards sea, the tug boats are released and the vessel proceeds towards Astoria where the River pilot disembarks and the Bar pilot embarks to take the vessel to sea. b. The Facility will be designed to load the ships using positive displacement pumps on a variable frequency drive, thus allowing adjustment of loading flow rate by increasing or decreasing the speed/flow rate of the pumps as needed. The pumps will also be staged so they can be turned off and on in multiple configurations to ensure optimal loading feed to the vessels. Different vessels have different loading configurations. For example, a 46 DWT vessel calling to the Facility could have a header sized at 12 to 24 inches with the dimension of the header dictating the rate at which the vessel can be loaded. As a rule of thumb, vessels will start loading at 10 to 25 percent of their maximum rate of fill. The top-off rate will also depend on the vessel size and the amount of cargo it will carry. If a vessel is filling to less than 90 percent total cargo volume (as would be the case with some of the proposed larger vessels), the ship could be filled at full or near full rates to the very end. If the ship is filled to 95 to 98 percent of its rated capacity towards the end of the loading cycle, the fill rate is slowed down to the 10 to 25 percent. c. Only a single vessel would be docked at a time. d. Only a single vessel would be loaded at a time.
PD10	The PDEIS does not discuss operations at berth 14. The description of construction activities in this area states: "The Applicant would remove an existing breasting dolphin and existing 5-foot-wide, grated steel walkways on Berth 14 that interferes with the optimal, safe mooring	Please refer to Figure 3 – Plan View of the berth modifications included with the JARPA submitted to EFSEC in January 2014 - Attachment 2 to this response. Loading operations will be conducted from the facilities installed at Berth 13. Both berths 13 and 14, as well as intermediate shore based mooring points and mooring dolphins will be used for vessel moorage and therefore require modifications to provide the necessary structural requirements for vessel mooring and employee access for mooring activities. Berth 14 will also house a jib crane or trailer system for a skiff, and the pre-boom reel to store the floating

EX-0011-000008-PCE

Code	Data Request Item	Applicant Response
Project Description		
	configuration." (PDEIS, page 2-26). Please provide a description of the operational purpose of berth 14, as well as any other construction that is proposed for the berth 14 area.	boom.
PD-11	Will shore based power be available to vessels moored at the dock to reduce or replace the use of onboard engines to generate electricity during loading operations?	Vessels will require engine power at dock; however, engine power used will be minimal. While at dock vessels will run ultra-low sulfur diesel generators; vessel boilers will be used to maintain the temperature of heated cargo. For purposes of air quality analysis in the PDEIS the Applicant did assume vessel boilers would be used during hotelling of vessels.
PD-12	Will the proposed Facility provide bunkering for vessels moored at the wharf? If so will fuel be pumped from shore or will fuel be provided from fueling barges/vessels. Will different size or type of vessels require different approaches to fueling?	No. Vessels will not be bunkered at the Facility Terminal.
PD-13	Clarify the definition of a vessel "call", "trip", and "transit" as the terms are used to describe expected vessel traffic for the project. Confirm this statement is correct: "The project would involve up to 365 ships arriving at the Facility annually, resulting in up to 730 vessel transits (inbound and outbound) annually". (PDEIS 5-139).	Generally, the definitions provided in Section 5.2.3 and 5.7.2.2 addresses the difference between vessel calls, trips and transits: 5.2.3: "Generally, each vessel call as shown below involves two river transits–one inbound and one outbound. It is possible that a few vessels call at more than one port during a transit up and down the river; however, this is not common, especially among specialized ports within the same region." 5.7.2.2: "The operation of the Facility would result in ships transiting the Columbia River within the project site, vicinity, and shipping corridor. It is estimated that the proposed Facility would result in approximately 140 trips (a trip includes 2 transits) per year in 2016 (first full year of operations) and up to 365 trips per year at full buildout." In terms of vessels arriving at the Facility, calls and trips would have the same meaning, as the vessel would

EX-0011-000009-PCE

Code	Data Request Item	Applicant Response
Project Description		
		be dedicated to loading at the Facility and would not make any other calls.
PD-14	Define the value of a "trip" as used in WorleyParsons' Table 3-3 Incidents per Trip (Appendix N - Vessel Traffic Risk Assessment Traffic Impact Analysis page 97). In this case, is a "trip" considered to be a vessel moving one way (either to or from the dock), or a vessel moving both to and from the dock?	A "trip" in this context, corresponds to the definition of "transit" in the State of Washington VEAT annual reports; *Any significant move between two locations*. Hence, a "trip" is a vessel moving one way to or from a dock.
PD-15	The PDEIS states that Panamax vessels would serve the facility, but PDEIS Table 5.2-1 Dimensions of Articulated Tug Barges and Tanker Vessels Anticipated to Dock at the Facility provides information on many other vessel types that are anticipated to dock at the Facility, many of them much larger than Panamax-sized vessels. a. Confirm that the type and classes of tankers and articulated tug barges included in this table would be anticipated to dock at the Facility, and provide an estimate of the number of visits of each type and class of vessel at the Facility.	a. All of the vessel types indicated in Table 5.2-1 could be anticipated to dock at the Facility. The 46 MDTW vessel is anticipated to be the vessel size usually loaded; however, the DEIS should conservatively assume that, because the types of vessels could change in the future, approximately 15 percent of the vessels calling would be the 105 MDWT, and approximately 5 percent would be the 165 MDTW. b. Freeboard – 23.8 feet; Draft– 16.2 feet; Displacement – 17,083 metric tonnes

EX-0011-000010-PCE

Code	Data Request Item	Applicant Response
Project Description		
	b. Table 5.2-1 of the PDEIS provides information on freeboard (ft), draft (ft), and displacement (mt) for tankers in ballast, but does not provide the same information for articulated tug barges. Please provide this information for articulated tug barges.	
PD-16	Provide the average and maximum amount of oil that would be stored onsite at one time.	It is expected that, on average, the total volume of crude oil stored on site would be approximately 900,000 bbl, assuming all six tanks are in operation and at some stage of filling, or product is ready to be loaded to vessels. The maximum amount of oil that could be stored at any one time is 6* 360,000 bbl, assuming that all six tanks could be full in the event that vessels are prevented from arriving and loading due to bad weather or other conditions.
PD-17	Provide an estimate of the amount of time that it would not be possible to deploy booms during the transfer of crude oil at the dock due to currents and weather conditions and describe why booms would not be deployed under these circumstances.	The Applicant will deploy booms in accordance with the Booming Safe and Effective Threshold Determination Table shown in Attachment 3 to this response.
PD-18	Provide the crude oil flow rates for each transfer between facility elements (train to tank, tank to vessel, and train to vessel).	Crude oil flow rates between area 200 – Rail Unloading and Area 300 – Storage will vary as each rail unloading track could have as few as 1 car or as many as 30 cars being gravity drained and crude oil being pumped to storage at any given time. The API of each crude being unloaded will also affect the gravity drainage rate and subsequent pumping rate to the tanks. As described in item PD-9 above, the transfer rate from storage to Area 400 – Marine Terminal is designed to be variable to adjust to the type of vessel being loaded and the specific loading phase. However the system will be designed to allow for an approximate maximum transfer rate of 32,000bbls/hr. Direct transfer from train to vessel would also vary depending on the vessel being loaded and the vessel loading phase. Pump systems are expected to be designed for an approximate maximum transfer rate from Area 200 to Area 400 of 14,000 bbl/hr for one feed line and 28,000 bbl/hr for two feed lines.

EX-0011-000011-PCE

Code	Data Request Item	Applicant Response
Project Description		
PD-19	Provide details on the expected response in the event of a release during a transfer operation, specifically: c. A description of equipment and/or personnel that would detect a release in each transfer segment (rail to tank, tank to vessel, and rail to vessel). d. An estimate of the time it would take to detect a release and manually depress the ESD button or other shutoff device. e. Overall expected time it would take from start of a release event to complete flow stoppage.	[Note – the request for data did not have any sub-items a-c.] Please refer to response to data request PD-1: "The Applicant submitted a Preliminary Spill Prevention Control and Countermeasure Plan (SPCCP)(Appendix B.2 to the Application for Site Certification (ASC)) and a Preliminary Oil Spill Contingency Plan (Appendix B.3 to the ASC) on 14 January 2014. Both of these documents address spill response planning, including training, exercises, response actions to be followed and agency notification to be implemented at the Facility. They are available on EFSEC's website at http://www.efsec.wa.gov/Tesoro%20Savage/Application/Tesoro%20Savage%20Application%20Page.shtml The following provides additional information in response to the data request: c. Area 200 to Area 300: The Applicant would install ultrasonic flow meters on each of the transfer pipelines from Area 200 to Area 300. These meters would be checked against a second set of ultrasonic flow meters located at Area 300 which would monitor receipt. The Applicant would monitor the flow meters during transfer procedures, and if a discrepancy in the flow and receipt totals is identified transfer pumps would be immediately shut down and automated valves closed. Area 300 to Area 400: The Applicant would install an ultrasonic flow meter on the 36-inch transfer pipeline after the vessel loading pumps at Area 300 and at the end of the transfer pipeline at Area 400. The Applicant would monitor the flow meters during transfer procedures, and if a discrepancy in the flow and receipt totals is identified, transfer pumps would be immediately shut down and automated valves closed. Area 200 to Area 400 (by passing storage): The ultra-sonic flow meters described above and installed on the transfer pipeline from Area 200 and at the end of the transfer pipeline at Area 400 would be monitored during transfer procedures; if a discrepancy in the flow and receipt totals is identified, transfer pumps would be immediately shut down and automated valves closed. d. It is anticipated that it would take an employee 30 to 60 seconds from detection of release until an ESD button or other shutoff device would be actuated. e. It is not possible to predict the time from start of a release event to complete stoppage for all types of events. This time depends on the size and nature of the release. All ESD valves throughout the Facility would be provided with a 30-second shut off to isolate Facility elements where the release has occurred.

EX-0011-000012-PCE

Code	Data Request Item	Applicant Response
Project Description		
PD-20	Provide information on the spacing of shutoff valves throughout the onsite crude conveyance system. If potential spill volumes have been calculated for transfer pipeline spill scenarios, please provide this information.	Please refer to response to data request PD-1: "The Applicant submitted a Preliminary Spill Prevention Control and Countermeasure Plan (SPCCP)(Appendix B.2 to the Application for Site Certification (ASC)) and a Preliminary Oil Spill Contingency Plan (Appendix B.3 to the ASC) on 14 January 2014. Both of these documents address spill response planning, including training, exercises, response actions to be followed and agency notification to be implemented at the Facility. They are available on EFSEC's website at http://www.efsec.wa.gov/Tesoro%20Savage/Application/Tesoro%20Savage%20Application%20Page.shtml These documents provide scenarios for worst case releases developed based on regulatory requirements. The Applicant has not completed Facility design, and design of spacing of shut off valves is not available.
PD-21	Provide details on the 3 locomotives that would transport the unit trains with regard to engine size and the amount of fuel stored/used in these.	The Applicant does not have control over the locomotives that the Class 1 Railroad carrier would use to transport the unit trains to the Facility. However, as indicated in Appendix H of the PDEIS, C44s or SD70s are typical of Class 1 line haul engines currently used in the U.S. Typical specifications for the GE Dash 9-44CW are provided at the following location: http://en.wikipedia.org/wiki/GE_Dash_9-44CW. According to this source, the power output of the engine is 4,400 horsepower (3,281 kilowatts), and the engine has a fuel capacity of 5,000 gallons.
PD-22	Provide a Facility Response Plan (as part of 40 CFR 112, part D requirements) if one has been drafted, or provide a schedule showing the timing of the preparation of the required Facility Response Plan.	Please refer to response to data request PD-1: "The Applicant submitted a Preliminary Spill Prevention Control and Countermeasure Plan (SPCCP)(Appendix B.2 to the Application for Site Certification (ASC)) and a Preliminary Oil Spill Contingency Plan (Appendix B.3 to the ASC) on 14 January 2014. Both of these documents address spill response planning, including training, exercises, response actions to be followed and agency notification to be implemented at the Facility. They are available on EFSEC's website at http://www.efsec.wa.gov/Tesoro%20Savage/Application/Tesoro%20Savage%20Application%20Page.shtml On 18 November 2014, the Applicant received comments from EFSEC and their Ecology consultant requesting that the Applicant prepare an Oil Handling Operations Manual, a Training and Certification Program, and a Safe and Effective Threshold Report. The Applicant will coordinate with EFSEC staff the future submittal of this additional documentation as part of an updated Oil Spill Contingency Plan."
PD-23	Does the facility intend to apply for a license to export crude oil through the proposed Facility to non-U.S. locations? If so what will be the average and maximum volume of annual	We assume the reviewer is asking whether the owner and operator of the Facility—i.e., the Applicant—intends to apply for a license to export crude oil through the proposed Facility. No, the Applicant does not intend to apply for a license to export crude oil. The Applicant will not own the crude oil being received, stored, and loaded to vessels at the Facility. The Applicant will only unload its customers' crude oil, stage it in the onsite tanks, and load it into the customer's vessels. The Applicant will not purchase or own crude oil, nor will the Applicant arrange for rail transportation of crude oil to the Facility or for marine (vessel)

Code	Data Request Item	Applicant Response
Project Description		
	exports requested in the licensing process?	transportation of crude oil from the Facility.
PD-24	Provide further details on the assist tug operations related to the docking/undocking of vessels, including where they would begin and end assistance operations, specifications for the number and type(s) of tugs expected to be used, the frequency that tugs would be used during all docking/undocking operations, and if there are any types of vessels expected to serve the Facility that would not require assist tugs.	The docking assist tugs will be supplied by one of the Tesoro-approved tug operators in the Columbia River. The tug will have a minimum HP of approximately 3500 and be minimum twin screw. The docking assist tugs will join and depart the vessel in the vicinity of Kelly Point at the confluence of the Columbia and Willamette Rivers. The tugs will not be standing by the terminal during loading operations unless there is a severe weather event that requires their presence as outlined in the mooring analysis and documented in the Terminal Operations Manual. Every vessel coming to load at the terminal will use two docking assist tugs for docking and undocking. There will be no vessels coming to the terminal that will no use a minimum of two docking and undocking tugs.

Code	Data Request Item	Applicant Response
Air Quality		
AQ-3	Provide the computational analysis performed for construction emissions (all criteria pollutants) for the Port of Vancouver site. If this analysis has not been performed, please provide as much of the following information as is available: a. Number and types of equipment anticipated to be used during construction of Facility structures, including expected duration hours/days of use and	Construction-related emissions were not computed. Instead, the air-quality impact of construction-related emissions was addressed by using a qualitative comparison with a larger project. This comparison concluded that there would not be any probable significant adverse impacts related to construction emissions. a. Typical construction equipment will be used for upland construction activities, including but not limited to the examples listed below. Specific information regarding duration hours/days of use and engine sizes is not available. • Earth moving equipment: Compactors, loaders, backhoes, tractors, graders, pavers • Materials Handling Equipment: Concrete mixers and pumps, cranes, derricks • Stationary equipment: Pumps, compressors, generators • Mobile equipment: Cranes, hauling equipment, trucks • Impact Equipment: Pile drivers, ballast tampers • Impact Tools: Jackhammers, rock drills, pneumatic wrenches • Steel assembly equipment: Welding and cutting tools

EX-0011-000014-PCE

Code	Data Request Item	Applicant Response
Air Quality		
	engine sizes b. The timing, phasing, and duration of construction activities c. Area of land disturbance expected, including excavation/fill d. Estimate of cubic yards transport of excavated material offsite and/or transport of fill to site e. Amounts and sources of materials (asphalt, concrete, timber, piles, building materials) or distance and number of truck trips required to deliver these materials f. Foundation types for buildings to be constructed g. Building specs (size, number of stories, framing type, special features) h. Duration and amount of any onsite demolition activities i. Number and types of equipment anticipated to be used during in-water work to include demolition and piling installation activities	• Ground improvement equipment: See Section 4.1.3.2 of the PDEIS • Equipment to be used for water oriented construction: See Section 2.3.1.8 of the PDEIS b. Facility construction milestones are presented in Figure 2.3-2 of the PDEIS. Phasing of construction is described in Section 2.3.2.1 of the PDEIS, and in item PD-4 above. Construction of the Facility would begin upon approval of Site Certification. c. Area of land disturbance is presented in Table 4.5-2 of the PDEIS. Given the level nature of the site, the Applicant anticipates that excavation and fill quantities will be approximately the same; however, the specific amount of cut and fill has not been calculated. Materials relative to construction that will be imported to the site include (but are not limited to) materials that will be used to construct the berm surrounding Area 300 and materials needed for ground improvements; the volume of these materials was presented in response to Item EN-1 submitted previously. d. Please see response to Item EN-1 submitted previously. e. Please see response to Item EN-1 submitted previously. Specific sources for materials have not been identified. f. See Sections 2.3.1.2 and 4.1.3.2 of the PDEIS. g. See Section 2.2.2 (and in particular subsections .7 through .11) of the PDEIS. h. No demolition activities are anticipated. i. See Section 2.3.1.8 of the PDEIS. j. Information regarding the configuration and design of utilities is presented in Sections 2.2 and 2.3 of the PDEIS. Equipment used for construction of utilities will be similar to that used for other upland construction activities described in response AQ-3 (a) above. Construction material quantities were provided in response to Item EN-1. k. With the exception of specifying the non-reflective nature of paint for the storage tanks in Area 300 (see Section 4.10.3.2 of the PDEIS) the Applicant has not selected specific architectural coatings at this time. l. The amount of paving is presented in response to Item EN-1. m. Tanks design specifications are presented in Section 2.2 of the PDEIS; associated construction materials estimates are presented in response to Item EN-1. n. Transfer pipeline specifications are presented in Section 2.2 of the PDEIS; construction materials estimates are presented in response to Item EN-1.

EX-0011-000015-PCE

Code	Data Request Item	Applicant Response
Air Quality		
	j. Construction activities for utilities (natural gas, electricity, potable water, stormwater, wastewater, fire protection water), including equipment type and hours of use onsite, and material amount and sources (or distance and number of truck trips). k. Architectural coatings l. Amount and type of paving m. Tank specifications, including foundation materials and volumes/sizes, source of materials (or distance and number of truck trips), construction equipment and hours of use n. Pipeline specifications, including amount of each sized pipe, foundations, source of materials (or distance and number of truck trips), construction equipment and hours of use o. Rail infrastructure specifications, including amount of each material (e.g., ballast rock, rails), foundations, sources of	o. Rail infrastructure specifications are presented in Section 2.2 of the PDEIS; construction materials estimates are presented in response to Item EN-1.

Code	Data Request Item	Applicant Response
Air Quality		
	materials (or distance and number of truck trips), construction equipment and hours of use	
AQ-4	Please provide information on the air quality federal permit application(s) or requests for approval, in order to assess the boundaries of the General Conformity Applicability Analysis.	The General Conformity Applicability Analysis was conducted as a result of in-water work approval needed from the U.S. Army Corps of Engineers. In August 2014 the Applicant submitted an Air Permit Application Revision package to EFSEC. As explained in the cover letter to that revision package the project is no longer subject to the requirements of federal PSD permitting. These documents are available at EFSEC's website: http://www.efsec.wa.gov/Tesoro%20Savage/Application/Tesoro%20Savage%20Application%20Page.shtml
AQ-5	Provide the computation analysis of mobile and stationary sources emitting Hazardous Air Pollutants (HAPs) for construction and operations.	Mobile sources: • Please see response to item AQ-3 above with regards to construction-related mobile emissions. No construction emission estimates for mobile equipment were computed for HAPs. • HAP emissions estimates for mobile sources associated with facility operations were not computed, as there is no ambient air quality standard for HAPs against which an impact can be assessed. The PDEIS did consider Diesel particulate Toxic Air Pollutants (DPT) from mobile sources in response to comments received during scoping relative to the potential impact of DPT. Stationary sources: • No stationary sources will be present during Facility construction. • HAP emissions from stationary sources resulting from operation have been provided to EFSEC as part of the air permit application review process – these documents are available at EFSEC's website as indicated in response AQ-4 above: http://www.efsec.wa.gov/Tesoro%20Savage/Application/Tesoro%20Savage%20Application%20Page.shtml
AQ-6	Provide information on volatile organic compound (VOC) emissions for mobile sources (vessels, trains, barges).	As presented in Section 4.2.2.4 of the PDEIS the analysis of impacts to air quality from operations of the Facility considered the impact of emissions of both mobile and stationary sources on ambient air quality. To determine whether an impact may occur the maximum model-calculated pollutant concentrations were compared to applicable state and federal ambient air quality standards (WAAQS and NAAQS). Neither Washington state nor federal regulations establish ambient air quality standards specifically for VOCs. There is therefore no ambient air quality standard against which an impact can be assessed. VOC emissions from mobile sources were therefore neither collected nor computed.
AQ-7	Provide all results for particulate matter (PM) as	Table 4.2-3 of the PDEIS provides the combined stationary source and mobile source modeling results, including particulate matter reported as PM10 and PM2.5. Additional detailed air emissions data is also

EX-0011-000017-PCE

Code	Data Request Item	Applicant Response
Air Quality		
	PM2.5 and PM10. Stationary source emissions are currently only provided in PM.	available in the August 2014 Revised NOC Application submitted to EFSEC and available at EFSEC's website at: http://www.efsec.wa.gov/Tesoro%20Savage/Application/Amended%20App%20Aug%202014/20140918ReconvertedAir%20permit%20appl%20revisions%20080814_Part6.pdf

Code	Data Request Item	Applicant Response
Noise		
NO-6	Provide the raw data/supporting docs for the CadnaA noise model that identify assumptions and other factors used in the model.	See attachment 4 " Compliance Model Report" and Attachment 5 "Hourly Train Model Report"
NO-7	Provide the latitude and longitude of all noise receptors used in the analysis for the PDEIS.	R1- 45.645971°,-122.726621° R2- 45.646012°,-122.725020° R3- 45.652380°,-122.736278° R4- 45.649019°,-122.726240° R5- 45.659583°,-122.740926° R6- 45.643710°,-122.698400° R7- 45.640875°,-122.696929° R8- 45.636365°,-122.691375° R9- 45.643416°,-122.720842°

Attachment 1

EX-0011-000019-PCE

February 5, 2015

Stephen Posner, Manager

Sonia Bumpus, EFS Specialist

Energy Facility Site Evaluation Council

Utilities & Transportation Commission

P.O. Box 43172

Olympia, Washington 98504-3172

Re: Tesoro SavageVancouver Energy Distribution Terminal

Application No. 2013-01 | Docket No. EF131590

Request for Additional Information to Assess EIS Alternatives

Dear Stephen and Sonia:

You have asked the Applicant to provide additional clarification regarding the project objectives and additional information regarding the distribution terminal facility (Facility) design to assist the Energy Facility Site Evaluation Council (EFSEC) and its Environmental Impact Statement (EIS) consultant team in its evaluation of possible alternatives for the DEIS. This letter responds to those questions. If, after your review of these responses, you or your EIS team requires additional information or clarification, we encourage EFSEC to schedule a peer-to-peer discussion with EIS consultants, EFSEC EIS staff, and Vancouver Energy employees to provide you with any further information or clarification.

We note by way of introduction that many aspects of the facility's design are based on the characteristics of crude oil, market forces and demands, and the Applicant's and its owners' extensive experience in operating crude oil terminals. With this letter, we are providing an explanation of key principles and considerations in a manner that hopefully gives you an adequate level of information upon which to make your SEPA judgments.

Project Objectives (purpose and need):

The project objectives were described at Section 2.22 of the Application for Site Certification (ASC) and Section 1.2.3 of the Applicant-prepared Preliminary Draft Environmental Impact Statement (PDEIS). In summary, the project's objective is to serve the market demand for mid-continent North American crude at the Petroleum Administration Defense District (PADD) 5 refineries, in particular those along the West Coast (as described in PDEIS Section 1.3). This project objective encompasses both a market demand component (the PADD 5 refinery demand) and a market supply component (the mid-continent North American crude source). Based on production projections for the various mid-continent North American sources, the Bakken is expected to continue being one of the primary mid-continent sources[1]. As explained in PDEIS Sections 1.2.5.2 and 1.3.7.2, there are no oil pipeline routes from the Bakken to PADD 5; and, therefore, transportation by rail is the only feasible option for transporting this crude to the PADD 5 refineries. The project objectives clearly stated that "Implementation of Facility elements that accommodate the flexibility to serve multiple clients through the appropriate capacity for receipt, segregation and loading of the crude oil" was a necessary development criteria (*see* PDEIS Section 1.2.3.1).

California and Alaska crude production delivered to PADD 5 is declining. *See* PDEIS Figure 1.3.7. This decline in production has been replaced by foreign imports (via marine vessel) to meet the PADD 5 demand. *See also* PDEIS Figure 1.3.7. The foreign import portion of the PADD 5 demand accounts for 1 million to 1.2 million barrels per day. (*See* PDEIS, Table 1.3-10, taking those annual totals, multiply by 1,000 and divide by 365 days to convert the annual totals shown in that table to the

[1] U. S. Energy Information Administration, January 2015 Drilling Productivity Report for the Tight Oil and Shale Gas regions. http://www.eia.gov/petroleum/drilling/pdf/dpr-full.pdf

daily average stated here). Therefore, at a proposed average daily throughput of 360,000 barrels per day, the project does not satisfy the full demand for PADD 5 refineries to replace foreign sources, but satisfies approximately 1/3 of that current demand. The California and Alaska supplies are projected to continue to decline[2]; and thus, the PADD 5 market demand for alternative sources of crude, including alternative mid-continent North American sources, is expected to continue to increase. Accordingly, as described in more detail below, market demand would not limit the facility to the proposed 360,000 barrels per day throughput capacity. That throughput capacity limit is a function of the terminal site's physical and rail access constraints.

To accomplish the project's objective, an EIS alternative should consider how this PADD 5 demand for mid-continent North American crude can be addressed either through the proposed Facility or through other facilities in Washington State. The Applicant described some of these alternative scenarios in Chapter 6 of the PDEIS.

You also asked us to comment on what the Port of Vancouver's purpose and objectives are for this project and why or how the Port arrived at the project scale defined in its request for proposals. PDEIS Section 1.2.2 provides a brief statement of the Port's objectives. However, if EFSEC staff and its EIS team need additional detail or have additional questions about the Port's objectives for the project, the Applicant believes that information is best obtained in a direct conversation with (or request to) the Port. While we would be happy to participate in or facilitate that discussion, we assume that EFSEC would prefer to make that request directly to the Port.

Factors that Led the Applicant to Choose the Port of Vancouver Location

As mentioned above, the Applicant anticipates that the primary source of crude oil that the Facility's customers will deliver to the Facility will be the Bakken. Crude may also come from other North American formations, such as the Niobrara and Uinta, depending on market conditions and the needs of the Facility's customers. We note again that the Applicant will not source or own any crude oil. Rather, the Applicant will receive its customers' crude oil by rail, unload and stage that crude oil in the on-site tanks, and load the crude oil onto vessels provided by those customers. However, it is really not possible to project future market conditions that might favor a different source with any degree of certainty. Based on the strength of Bakken production (*see* EIA productivity report) and market conditions known at this time, assuming Bakken as the primary source seemed and still seems to the Applicant to be the most reasonable and appropriate assumption regarding the likely source of the mid-continent North American crude.

Existing marine port infrastructure on the Washington coast and water ways leading to the coast are geographically the closest outlets for Bakken crude to PADD 5 refineries. BNSF owns or controls the rail infrastructure in the Bakken region. BNSF is, therefore, the likely rail transporter out of the Bakken. Because rail transport agreements and rates tend to favor a single carrier wherever possible, BNSF is also the likely carrier all the way from the Bakken to any marine terminal facility on the Washington coast. Therefore, both because of physical geography (Washington's closest proximity to the Bakken) and because of the ownership of existing rail infrastructure, the BNSF lines and the Port of Vancouver terminal site offer the shortest distance between the Bakken crude source and a deep water marine terminal site that can receive the crude oil directly by rail and load it onto marine vessels for transport to the PADD 5 refineries. Chapter 5 of the PDEIS analyzed at length the most likely route loaded unit trains would be expected to travel through Washington State. Other potential terminal locations elsewhere along the Washington coast, for the same reasons, are likely to receive unit trains using the same BNSF route, but such trains will travel a longer distance past the Port of Vancouver Facility location to reach other terminal facility destinations or the PADD 5 refineries in Washington directly. As described in PDEIS Section 1.2.3.1, the Port of Vancouver Facility location provided the best opportunity in Washington, and along the entire North American West Coast, for a crude-by-rail marine terminal to address the PADD 5 market demand described above. These criteria include:

- A site that can be constructed and placed into operation within a time frame that allows expeditious West Coast refinery access to mid-continent crude oil;
- A location that is centrally located with respect to shipping the oil to West Coast refineries;
- A location that already has the necessary transportation infrastructure to accommodate receipt by rail (unit train) and shipment by marine vessel;
- A site with deep draft access to accept the range of Jones Act vessels;
- A location that is already zoned and developed for industrial use; and
- A site that can be designed to provide flexibility to serve multiple clients through the appropriate capacity for receipt, segregation and loading of the crude oil.

[2] U. S. Energy Information Administration, U. S. Crude Oil and Natural Gas Proved Reserves, 2013, December 2014, http//www.eia.gov/naturalgas/crudeoilreserves/pdf/usreserves.pdf.

Receipt and Storage Capacity (Why 6 tanks are required? and Whether a reduced number of tanks could accomplish the project objectives?)

The Applicant notes, at the outset, that reducing the number of storage tanks does not necessarily reduce the requirements for spill containment, since those requirements are based upon the largest single tank volume (not the total aggregate tank volume) plus a factor of safety. *See* PDEIS Section 2.2.9. It was not clear as posed whether this question relates to spill containment requirements or some other probable significant impact issue or mitigation required.

A number of factors contribute to the determination of what storage volume and how many tanks of what size are required:

1) For example, the storage capacity at the terminal must be sized to accommodate periodic surges in capacity needs due to unplanned fluctuations in the timing of rail deliveries and marine vessel loading. In a typical year, for example (based on information from Columbia River Bar pilots), the Columbia River entrance may shut down approximately 6-10 days over the course of the winter due to severe weather. Because these closures will impact marine vessel arrival and loading, but do not necessarily impact rail traffic to the terminal, the storage must be sized to accommodate these unexpected (yet temporary) surges in storage needs.
2) As explained in PDEIS Section 5.2, ocean-going Jones Act crude oil vessels that are able to navigate the Columbia River are currently primarily sized for the 300,000 to 360,000 barrel range (comparable to the project designed throughput).
3) The need to segregate different types of crude and customer requirements to segregate crudes by ownership also drives the number of tanks and the amount of storage potential beyond total throughput volume. For example, Tesoro will be an anchor customer for this Facility. Two of the 6 tanks will be dedicated to Tesoro's use, leaving 4 tanks for other customer storage needs. Other customer factors that might dictate segregation of the crude into separate tanks include:
    a. Different refineries accept different grades of crude;
    b. Refiners must know the specific characteristics of the crude they will be receiving ahead of time, to make sure the refinery can appropriately handle and process the crude received;
    c. Customers want to retain control of their crude oil quality from its source to delivery, to avoid any unintended or unexpected blending that might change the quality (and value) of the crude they have or are purchasing; and
    d. Even a single customer (such as Tesoro) may well source crude for different refineries and thus, require segregation into separate tanks.

It is expected that the Facility will have as many as 10 customers. The more customers, the greater the amount of storage required to keep the product segregated for the reasons described above. The 6 tanks proposed were determined to be the appropriate number to accommodate these customers' needs within the size constraints of the site. Because individual customer contracts have not (and cannot) be entered into at this time, it is not possible to provide any more specifics regarding individual customer contract requirements.

Throughput Capacity (Why the proposal is for an average daily throughput of 360,000 barrels per day? and What would be the consequence if the project were scaled to accept a smaller daily volume?)

As noted above in the project objective response, inland crude could replace up to the current 1 million to 1.2 million barrels per day of foreign source waterborne crude. The Facility as proposed only meets a portion of this need (approximately 1/3 of the foreign waterborne imports to PADD 5 refineries). Thus, even larger volumes would be required to meet this PADD 5 demand. The proposed Facility throughput was actually limited by the physical terminal site and rail infrastructure constraints, not by limitation in PADD 5 demand. The project phasing proposed in the ASC was originally proposed to allow operations to start as soon as possible, not as a suggestion that the Facility would operate at a reduced capacity long term. When the Applicant originally began development of the project, phasing was also proposed to allow the Applicant time to gauge the market, commence operations as soon as possible, and allow time to negotiate additional customer contracts. With all of the time that has passed since that original August 29, 2013 ASC, all indications continue to show that the demand is present and sustainable to support the proposed 360,000 bpd throughput (the site limiting factor); and the Applicant expects to begin construction of Phase 2 as soon as Phase 1 is in operation.

The proposed throughput does not drive the Facility rail infrastructure, but rather it is the other way around. The Port's rail infrastructure is driving what is available within the Terminal 5 area. The Port's West Vancouver Freight Access project (WVFA) is permitted for 5 loop tracks in the Terminal 5 area. The WVFA project added grade separation between the North/South mainline rail and the entrance into the Port. In the Terminal 5 area, a grade separated overpass was added to

change the traffic flow within the port and keep trucks and rail cars moving unimpeded. Vancouver Energy will permit and build one additional loop track outside of the 5 permitted (for a total of 6 loops at the Terminal) on WVFA. The loop track is an

efficiency for rail and terminal operations because an entire train (unit train) can be staged and unloaded without being broken up and stacked on parallel tracks (e.g., the ladder tracks at other facilities) and without impeding rail access to other Port users, or without impeding mainline rail traffic. Because the Terminal 5 area does not have the property available to add any additional rail loops sized for unit train operations beyond those described in this paragraph, the facility cannot receive more than the stated average of 4 trains per day, without creating impact to other existing and future Port rail operations and the BNSF mainline traffic. The 360,000 bpd throughput (4 trains) is based on tank car capacity and the number of tank cars in a unit train, using high-end assumptions regarding volumes per train so that potential impacts related to these volumes are not underestimated in the environmental documents.

For the vessel berth, the size and types of vessels used to transport the crude dictate the dock improvements, not the number of vessels that will be loaded on a weekly basis. A smaller volume Facility would not change the requirements to modify the dock or the scale or nature of those modifications.

Given the somewhat standard ocean-going Jones Act vessels used to transport crude oil, the storage requirements and the transfer pipelines must be sized to allow efficient vessel loading when the vessel arrives to avoid "demurrage"—additional charges for a vessel lease for overtime use. Thus, the transfer pipelines must be sized to efficiently load a 300,000 to 360,000 barrel vessel when it arrives, regardless of how many arrive in any given period of time. Transfer pipe size does not change with fewer vessels that might be associated with smaller daily volumes. *See* PDEIS Section 5.2.

Because the rail infrastructure investment; the dock improvement investment; the size and configuration of the transfer pipeline; the number and size of tanks required to segregate product; and the anticipated unexpected surges in storage needs (due to river closure or rail traffic backups) would not change with reduced throughput volume at this facility, the initial investment costs for the facility would not be expected to vary significantly, if at all, with a reduced volume throughput.

Additionally, if the proposed Facility throughput were reduced, project objectives and PADD 5 demand would then need to be satisfied with other, smaller scale facilities at other terminal locations or with direct delivery by rail to the refineries. A greater number of smaller facilities could introduce a greater number of transfer points, and the potential for an associated greater number of failure points (or at least opportunity for failure points) since the point of transfer is often the point at which elevated risk of a release could occur.

Why are Other Crude-by-Rail Marine Terminal Proposals in the State of Washington Proposing Smaller Scale Projects?

Because the Applicant is not involved in any of the other proposed terminal facilities under review in the State of Washington, the Applicant is not in a position to comment with any specific detail on what might be the reasons why those other facilities are proposed at a smaller throughput volume. However, based on information that is generally publicly available through the existing public SEPA information[3], the Applicant believes that the following factors might contribute to the size of the facilities proposed:

- The terminal proposals at the Port of Grays Harbor, for example, do not appear to have loop rail access, and the maneuvering required to cut the train and stack the cars on ladder tracks for unloading may be a factor that limits daily throughput size. The Grays Harbor sites are also served by a short-line railroad and not exclusively by the BNSF Class I rail line. Short line operational requirements or constraints may contribute to lower proposed throughput volumes for those projects;
- The Westway and Imperium sites have other existing operations (methanol and biofuels processing, respectively) that may limit throughput volumes that those sites can accommodate;
- The NuStar site at the Port of Vancouver is simply a repurposing part of an existing facility; and
- The Applicant did note, based on public SEPA information (referenced in the PDEIS at Table 7.1-1), that the ratio of storage capacity to daily throughput proposed in the Grays Harbor facilities exceeds that same ratio proposed by the Applicant at the Port of Vancouver Facility. This is presumably for reasons similar to the reasons described above—to accommodate anticipated customer requirements for product segregation.

[3] Shoemaker, R.K. 2014, Westway Terminal expansion joint aquatic resources permit application (JARPA) form. February 13, 2014. Available at http://www.ecy.wa.gov/geographic/graysharbor/20140211-Westway-JARPAapp.pdf, accessed August 22, 2014. Plaza, J. 2013. Imperium Terminal Services, LLC. Imperium bulk liquid terminal facility project proposal environmental checklist resubmittal. February 22, 2013. Available at http://www.ecy.wa.gov/geographic/graysharbor/20130222-Imperium-SEPAchecklist.pdf, accessed August 22, 2014.

The Applicant cannot otherwise comment on what may be economic or other business reasons why those other facilities are proposed with smaller throughput. However, the Applicant does believe for that reason, it is not possible to assume that the fact that those facilities are smaller is any indication of whether a smaller throughput at the proposed Vancouver Energy Facility would be feasible, nor whether a smaller throughput at the proposed Vancouver Energy Facility would have less probable significant adverse impacts.

Will Blending of Crude Oil Types or Grades Occur? and What Impact does this have on the Number or Size of Tanks?

Some minor blending will occur out of necessity, given that on average approximately 4 unit trains will be required to load 1 vessel, and some minor variation in crude qualities among those trains is almost inevitable. In addition, some amount of blending may occur among customers within similar crude grades if permitted by customer specifications to be stored in the same tank. However, as described above in the section on size and number of tanks, customers who use the Facility will likely be interested in ensuring that the quality of the crude oil they sourced remains unaltered because they are managing that crude to feed their specific refinery systems. These customers may, therefore, specify independent storage of their specific crudes at the Facility. These requirements drive the number and size of tanks, as described above.

Why are Heated Tanks and Heated Transport Pipelines within the Site Proposed, and Could those 2 Tanks be Eliminated if the Facility did not receive the Lower API (i.e., "heavier") Crude Oils?

As described in Section 2.10.1.2 of the ASC, the Facility is being designed to accept what is known as "pipeline quality" crude oils, with a range of API from approximately 15 to 45, all of which fall within the range that will flow in a pipeline. The project is not being designed to receive or handle bitumens or other ultra-heavy crudes in their natural state. Heated tanks (and the heated transfer pipelines) are proposed to accommodate the lower API grades within this range, or higher viscosity crudes (due to characteristics such as high wax content present in the Uinta Basin), which depending on ambient conditions, may require heating to flow at appropriate vessel loading rates, particularly if the transfer pipeline is shut down for any reason with lower grade crudes in the pipeline. Because the sources of crude will vary from customer to customer and from source to source, it is not feasible to eliminate the tanks or heated transfer pipeline components of the project as part of any reduced volume throughput.

Hopefully, we have accurately captured and responded to the questions you have raised to assist EFSEC and its EIS team in the evaluation of DEIS alternatives and project objectives. Again, if you or your team require any additional explanation of the items described in this letter, please do not hesitate to contact the Applicant for any additional clarification.

Sincerely,

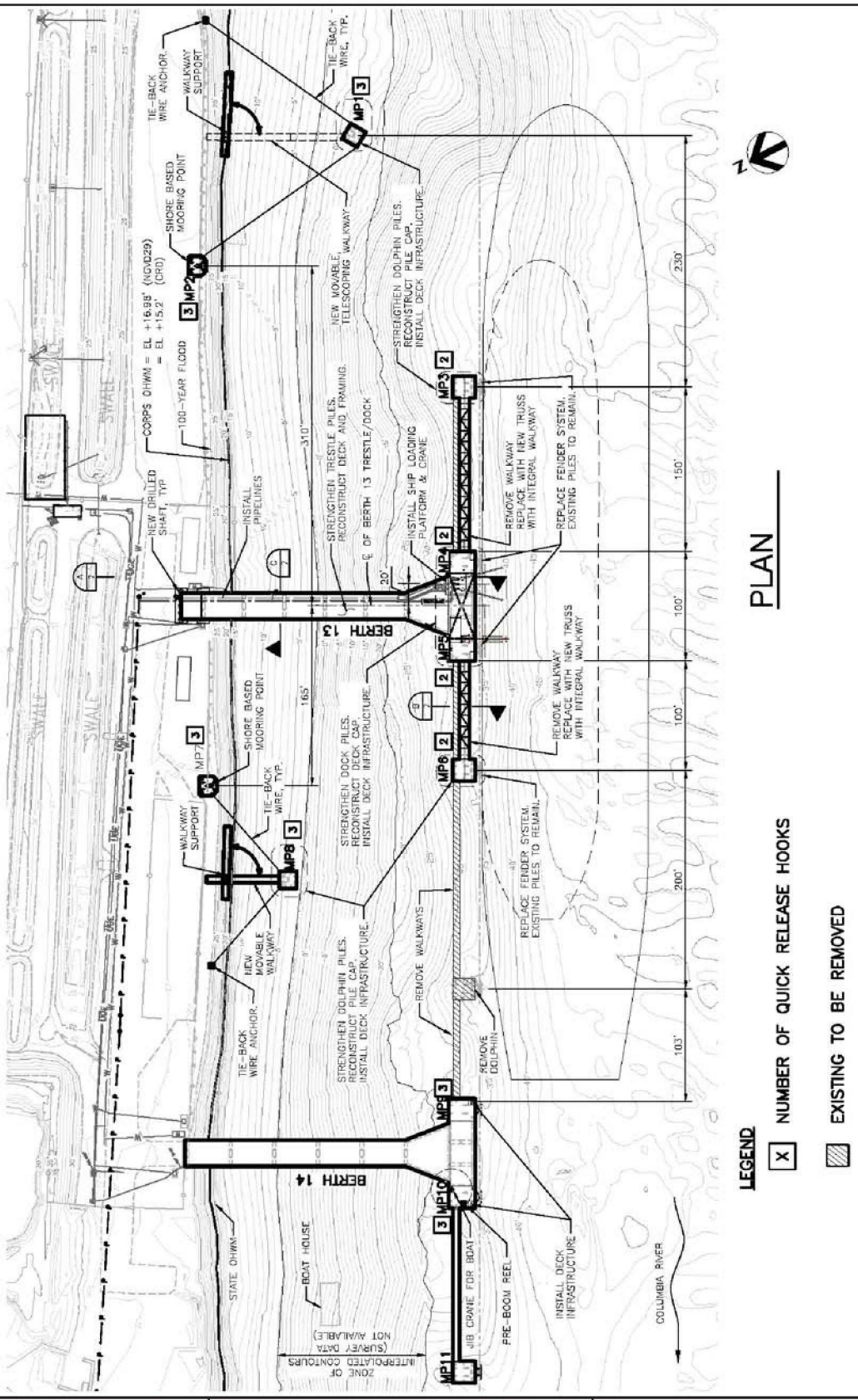
David Corpron
Senior Project Manager
Savage Services

Irina Makarow
Senior Environmental Project Manager
BergerABAM

Cc: Ann Essko

Attachment 2

EX-0011-000027-PCE



PURPOSE: Bring the currently serviceable structure up to current seismic design standards for the continued use of the dock to berth marine vessels (NWP 3) and to install pipelines and associated facilities to allow for the transportation of crude oil from upland unloading and storage facilities to marine vessels (NWP 12).

APPLICANT: Tesoro-Savage

ADJACENT PROPERTY OWNERS:
Port of Vancouver, Washington Department of Natural Resources (WDNR),

FIGURE 3
PLAN VIEW

TESORO SAVAGE VANCOUVER
ENERGY DISTRIBUTION TERMINAL

LAT/LONG: N 45.642/ W 122.719
NEAR/AT: VANCOUVER
COUNTY OF: CLARK
STATE OF: WA
APPLICATION BY:
TESORO SAVAGE PETROLEUM TERMINAL LLC

Page 3 of 7
January 2014

Q:\Vancouver\2013\A13.0267\00\Planning\EFSEC APPLICATION\Graphics\BE-JARPA\JARPA_Fig3_SitePlanArea400 mxd

Attachment 3

EX-0011-000031-PCE

BOOMING SAFE AND EFFECTIVE THRESHOLD DETERMINATION TABLE

Note: This table is the key decision making tool for deploying or not deploying boom. It is part of the form that is filled out by the Boom Boat Captain. Keep the Shift Supervisor (Shift SUP) informed of weather changes that may trigger the use of this form.

Environmental Conditions:		GREEN		ORANGE		RED	
		If ALL conditions are GREEN		If ONE condition is ORANGE		If ONE condition is RED	
		BOOM?	YES	BOOM?	Shift SUP	BOOM?	YES
		REMOVE BOOM?	NO	REMOVE BOOM?	Shift SUP	REMOVE BOOM?	NO
				NO GO or EARLY TERMINATION: Shift SUP submits DOE Boom Reporting Form.		EARLY TERMINATION: Shift SUP determines if safe for boom removal.	
1.	WINDS	0 -10 knots		10 - 20 knots		> 20 knots	
2.	WAVE HEIGHT	0 -1 foot		1 - 3 feet		> 3 feet	
3.	WAVE TYPE	Low swells, ripples or flat calm		Slight chop, steep swells, white caps		Steep choppy breaking Waves	
4.	CURRENTS	0 - 0.5 knots		0.5 - 1.0 knots		>1.0 knots	
5.	VISIBILITY	Unlimited		< 2miles		< 1000 feet	

Shift Supervisor (Shift SUP) decision to boom or terminate booming early will be based on Operational Factors:

For any conditions within the ORANGE range, the Shift Supervisor, in consultation with the Boom Boat Captain, must make a case-by-case determination of whether conditions are safe and will promote effective booming. The Shift Supervisor and Boom Boat Captain will also consider whether conditions are forecast to degrade such that they decrease safety or boom effectiveness below acceptable thresholds based upon the following Operational Factors:

- Ability of boom boat to operate safely in present and forecast conditions; the new style is rated up to 5 knots whereas the older style is only rated to 2-3 knots and is part of the effective stance.
- If boom boat freeboard and present/forecasted wave conditions could put personnel at risk of pinch point or other injuries when making boom connection or operation over the side or stern.
- The ability of the boom to contain oil.

Attachment 4

EX-0011-000035-PCE

Report (Comply.cna)

TSVEDT
Vancouver, Washington
Modelling Input and Results
Compliance Scenario

Calculation Configuration

Configuration	
Parameter	Value
General	
Country	(user defined)
Max. Error (dB)	0.00
Max. Search Radius (m)	5000.00
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (m)	1000.00
Min. Length of Section (m)	1.00
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Reference Time Day (min)	960.00
Reference Time Night (min)	480.00
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	0.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0

Configuration	
Parameter	Value
Temperature (°C)	10
rel. Humidity (%)	70
Ground Absorption G	0.00
Wind Speed for Dir. (m/s)	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receptors

Name	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
			Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)				(m)		(m)	(m)	(m)
CCCF_SW			44.8	44 8	0.0	0 0		x	Total	2.00	r	326438.08	37200 98	12.21
CCCF_SE			38.0	38 0	0.0	0 0		x	Total	2.00	r	326561.78	37201 59	12.42
tidewater			52.4	52.4	0.0	0 0		x	Total	4.00	r	325701.64	37933.12	12.86
CCPU			60.8	60 8	0.0	0 0		x	Total	2.00	r	326477.03	37538 87	11.75
ResNW			27.0	27 0	0.0	0 0		x	Total	4.00	r	325364.96	38743 20	11.32
ResNE1			26.1	26.1	0.0	0 0		x	Total	4.00	r	328633.84	36891 00	11.70
ResNE2			25.3	25 3	0.0	0 0		x	Total	4.00	r	328731.73	36582 59	12.01
ResSE			22.7	22.7	0.0	0 0		x	Total	2.00	r	329143.74	36055 39	10.53
Subaru			70.3	70 3	0.0	0 0		x	Total	1.50	r	326874.61	36902 52	10.03

Partial Levels

Source			Partial Level																	
Name	M.	ID	CCCF_SW		CCCF_SE		tidewater		CCPU		ResNW		ResNE1		ResNE2		ResSE		Subaru	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
xfrmr1		xfrmr1	22.6	22 6	10.5	10.5	27.8	27.8	21 6	21.6	13 0	13.0	4 6	4.6	4.1	4.1	2.2	2 2	16.1	16.1
xfrmr2		xfrmr2	22.7	22.7	10.5	10.5	27.7	27.7	21.4	21.4	12 8	12.8	4.4	4.4	4.0	4.0	2.2	2 2	16.2	16 2
compressor		comp	3.3	3 3	-12.8	-12 8	8.5	8.5	-2.0	-2.0	-11 0	-11.0	-21.1	-21.1	-21.4	-21.4	-22.7	-22.7	-5.2	-5 2
xfrmroffice		xfrmr	20.5	20 5	8.2	8 2	28.8	28.8	26 2	26.2	3.7	3.7	5.4	5.4	4.4	4.4	1.8	1 8	15.0	15 0
tank xfrmr		xfrmr	3.9	3 9	18.2	18.2	7.6	7.6	-1.2	-1.2	6 9	6.9	2 6	2.6	1.9	1.9	-1.4	-1.4	21.0	21 0
tank pumppit		pump	12.8	12 8	27.9	27.9	12.5	12.5	9.1	9.1	12.7	12.7	20 9	20.9	18.2	18.2	14.4	14.4	30.7	30.7
dockvaporblowerunit1		fan	29.4	29.4	30.9	30.9	18.1	18.1	24.7	24.7	13.4	13.4	16 3	16.3	15.6	15.6	12.8	12 8	55.9	55 9
dock vbu2		vbu	29.4	29.4	30.9	30.9	18.1	18.1	24.7	24.7	13.4	13.4	16 3	16.3	15.6	15.6	12.8	12 8	55.9	55 9
loco1		loco	36.4	36.4	25.5	25.5	27.8	27.8	35.1	35.1	3 0	3.0	16 3	16.3	15.4	15.4	13.0	13 0	27.9	27 9
loco2		loco	36.0	36 0	25.3	25.3	28.0	28.0	45.4	45.4	3.1	3.1	-0 6	-0.6	15.3	15.3	12.9	12 9	27.7	27.7
rear idling loco		locoidle	38.3	38 3	27.8	27.8	26.1	26.1	49 5	49.5	19 5	19.5	11 9	11.9	9.0	9.0	8.6	8 6	23.4	23.4
switch		switch	40.4	40.4	28.9	28.9	30.6	30.6	60 3	60.3	22 2	22.2	18.7	18.7	17.8	17.8	15.4	15.4	30.9	30 9
mvcustack1		stack	0.5	0 5	3.9	3 9	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10.7	-10.7	-11.4	-11.4	-14.1	-14.1	45.5	45 5
mvcustack2		stack	0.6	0 6	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10.7	-10.7	-11.4	-11.4	-14.1	-14.1	45.0	45 0
mvcustack3		stack	0.7	0.7	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10.7	-10.7	-11.4	-11.4	-14.1	-14.1	44.5	44 5
mvcustack4		stack	0.8	0 8	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10.7	-10.7	-11.4	-11.4	-14.1	-14.1	43.9	43 9
mvcustack5		stack	0.4	0.4	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10 6	-10.6	-11.4	-11.4	-14.1	-14.1	44.7	44.7
mvcustack6		stack	0.5	0 5	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10 6	-10.6	-11.4	-11.4	-14.1	-14.1	44.2	44 2
mvcustack7		stack	0.6	0 6	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10 6	-10.6	-11.4	-11.4	-14.1	-14.1	43.8	43 8
mvcustack8		stack	0.7	0.7	3.8	3 8	-9.4	-9.4	-1.8	-1.8	-14 0	-14.0	-10.7	-10.7	-11.4	-11.4	-14.1	-14.1	43.3	43 3
mvcublower1		blower	14.5	14 5	20.2	20.2	7.7	7.7	15.1	15.1	3 0	3.0	6.4	6.4	5.7	5.7	2.9	2 9	63.2	63 2
mvcublower2		blower	16.6	16 6	20.2	20.2	7.7	7.7	15.1	15.1	3 0	3.0	6.4	6.4	5.7	5.7	2.9	2 9	61.9	61 9
mvcublower3		blower	16.8	16 8	20.2	20.2	7.7	7.7	15.1	15.1	3 0	3.0	6.4	6.4	5.7	5.7	2.9	2 9	60.7	60.7
mvcublower4		blower	17.0	17 0	20.1	20.1	7.7	7.7	15.1	15.1	3 0	3.0	6.4	6.4	5.7	5.7	2.9	2 9	59.6	59 6
mvcublower5		blower	14.4	14.4	20.1	20.1	7.7	7.7	15.1	15.1	3 0	3.0	6 5	6.5	5.7	5.7	2.9	2 9	61.1	61.1
mvcublower6		blower	16.5	16 5	20.1	20.1	7.7	7.7	15.1	15.1	3 0	3.0	6 5	6.5	5.7	5.7	2.9	2 9	60.2	60 2
mvcublower7		blower	16.7	16.7	20.1	20.1	7.7	7.7	15.1	15.1	3 0	3.0	6 5	6.5	5.7	5.7	2.9	2 9	59.3	59 3
mvcublower8		blower	16.9	16 9	20.1	20.1	7.7	7.7	15.1	15.1	3 0	3.0	6.4	6.4	5.7	5.7	2.9	2 9	58.5	58 5
		V-RA L-TRACK-CL	31.9	31 9	23.5	23.5	52.2	52.2	36 6	36.6	20 5	20.5	13 3	13.3	13.4	13.4	12.3	12 3	22.6	22 6

Sources

Noise Source Library

Name	D	Type	Oktave Spectrum (dB)											Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin	
vcustack	vcustk	Lw		90.9	92.8	82.4	71.8	71 5	70.8	73 5	71.0	65.7	78.9	95.3	
Aux Xfrmr	auxxfrmr	Lw		95.0	95.0	95.0	97.0	95 0	87.0	80 0	73.0	66.0	94.7	102.6	
Compressor	Com	Lw		72.0	72.0	71.0	69.0	69 0	71.0	75 0	74.0	70.0	80.0	81.4	
Induced Draft Fan	ID	Lw		95.6	95.4	94.3	95.8	85.4	81.2	74 0	70.2	68.3	89.8	101.5	
Blower	blower	Lw		105.8	105.6	104 5	106.0	95 6	91.4	84 2	80.4	78.5	100.0	111.7	
unload pump	Pump	Lw		92.4	93.0	99.2	99.3	100 0	101.5	100.7	96.8	86.2	106.2	107.9	
switchmove	switch2	Lw		118.2	123.9	110 0	103.7	102.7	100.7	99.1	97.4	94.7	107.2	125.2	
IdlingLoco	idleloco	Lw		117.0	121.2	108 5	101.3	101 6	97.0	95.7	96.3	96.6	105.1	122.9	

Point Sources

Name	M.	D	Result. PWL			Lw / Li			Correction			Sound Reduction		Attenuation	Operating Time			K0	Freq.	Direct.	Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area		Day	Special	Night						X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	dB(A)	dB(A)	dB(A)		(m²)		(min)	(min)	(min)	(dB)	(Hz)		(m)		(m)	(m)	(m)
xfrmr1		xfrmr1	94.7	94.7	94.7	Lw	auxxfrmr		0 0	0.0	0 0							0.0		(none)	3 00	r	326152.93	37690.20	12.14
xfrmr2		xfrmr2	94.7	94.7	94.7	Lw	auxxfrmr		0 0	0.0	0 0							0.0		(none)	3 00	r	326158.09	37686.81	12.14
compressor		comp	80.0	80.0	80.0	Lw	Com		0 0	0.0	0 0							0.0		(none)	2 00	r	326164.38	37681.02	11.14
xfrmroffice		xfrmr	94.7	94.7	94.7	Lw	auxxfrmr		0 0	0.0	0 0							0.0		(none)	3 00	r	326126.08	37830.03	12.45
tank xfrmr		xfrmr	94.7	94.7	94.7	Lw	auxxfrmr		0 0	0.0	0 0							0.0		(none)	3 00	r	327374.42	37361.23	11.86
tank pumppit		pump	106.2	106.2	106.2	Lw	Pump		0 0	0.0	0 0							0.0		(none)	2 00	r	327346.90	37304.63	8.00
dockvaporblowerunit1		fan	100.0	100.0	100.0	Lw	blower		0 0	0.0	0 0							0.0		(none)	1 00	r	326815.13	36882.98	9.23
dock vbu2		vbu	100.0	100.0	100.0	Lw	blower		0 0	0.0	0 0							0.0		(none)	1 00	r	326815.32	36882.86	9.23
loco1		loco	105.1	105.1	105.1	Lw	idleloco		0 0	0.0	0 0							0.0		(none)	3 00	r	326409.20	37540.74	12.21
loco2		loco	105.1	105.1	105.1	Lw	idleloco		0 0	0.0	0 0							0.0		(none)	3 00	r	326395.06	37550.81	12.41
rear idling loco		locoidle	105.1	105.1	105.1	Lw	idleloco		0 0	0.0	0 0							0.0		(none)	3 60	r	326477.08	37401.97	10.92
switch		switch	107.2	107.2	107.2	Lw	switch2		0 0	0.0	0 0							0.0		(none)	3 00	r	326448.85	37489.79	11.71
mvcustack1		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326875.78	36896.72	15.89
mvcustack2		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326875.18	36895.65	15.86
mvcustack3		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326874.59	36894.58	15.86
mvcustack4		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326873.93	36893.42	15.86
mvcustack5		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326877.77	36895.63	15.86
mvcustack6		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326877.18	36894.54	15.86
mvcustack7		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326876.61	36893.45	15.86
mvcustack8		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326876.04	36892.36	15.86
mvcublower1		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326875.77	36896.64	9.75
mvcublower2		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326875.09	36895.60	9.73
mvcublower3		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326874.63	36894.53	9.73
mvcublower4		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326874.03	36893.45	9.73
mvcublower5		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326877.88	36895.62	9.73
mvcublower6		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326877.28	36894.47	9.73
mvcublower7		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326876.69	36893.41	9.73
mvcublower8		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326876.01	36892.32	9.73

Railway

Name	M.	ID	Lw'		Train Class							Correct.	Vmax
			Day	Night	Type	Number of Trains			v	Lw,i' (dBA)		Track	
			(dBA)	(dBA)		Day	Evening	Night	(km/h)	Day	Night	(dB)	(km/h)
		V-RAIL-TRACK-CL	58.2	58.2	FRA_CONV_FRE_LOC	45	0	27	8	57.1	57.1	0.0	
					FRA_CONV_FRE_CAR	15	0	9	8	51.7	51.7		

Obstacles

Buildings

Name	M.	D	RB	Residents	Absorption	Height	
						Begin	
						(m)	
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		5 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		5 00	r
		BUILD NG	x	0		4 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		4 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r

Name	M.	D	RB	Residents	Absorption	Height	
						Begin	
						(m)	
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r

Name	M.	D	RB	Residents	Absorption	Height	
						Begin	
						(m)	
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		TANK	x	0		14 60	r
		TANK	x	0		14 60	r
		TANK	x	0		14 60	r
		TANK	x	0		14 60	r
		TANK	x	0		14 60	r
		CS-CURB-VERT	x	0		15 00	r
		0	x	0		8 00	r
		0	x	0		8 00	r
		0	x	0		8 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		TANK	x	0		14 60	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r

Building Geometry

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
		BUILD NG	x	0		9 00	r	328257 88	36804.51	18.41	9.41
								328291 99	36752.84	18.41	9.45
								328266 21	36735.87	18.41	9.21
								328238.45	36778.03	18.41	8.84
								328207 51	36825.07	18.41	9.01
								328233.16	36841.94	18.41	9.29
		BUILD NG	x	0		9 00	r	328156 02	36866.63	17.84	8.84
								328168 37	36875.08	17.84	8.84
								328171 92	36869.89	17.84	8.84
								328180 87	36876.02	17.84	8.84
								328182 97	36872.96	17.84	8.84
								328185 82	36874.91	17.84	8.85
								328183 85	36877.78	17.84	8.84
								328194 02	36884.74	17.84	8.96
								328201.44	36873.91	17.84	9.06
								328201.13	36874.01	17.84	9.05
								328205 36	36867.83	17.84	9.09

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328204.14	36866.99	17.84	9.07
								328211 23	36856.64	17.84	9.13
								328176 82	36833.07	17.84	8.84
								328157.13	36861.82	17.84	8.84
								328158 62	36862.84	17.84	8.84
		BUILD NG	x	0		9 00	r	328104 95	36944.21	17.74	8.74
								328130 38	36961.45	17.74	8.83
								328148.44	36934.66	17.74	8.84
								328159 59	36942.04	17.74	8.84
								328176 38	36917.38	17.74	8.75
								328165 27	36909.80	17.74	8.84
								328139 24	36893.58	17.74	8.82
		BUILD NG	x	0		9 00	r	328104 53	36776.87	17.54	8.54
								328067 33	36713.65	17.54	8.84
								328016 21	36743.66	17.54	8.26
								328014.40	36740.90	17.54	8.23
								328007 29	36745.06	17.54	8.23
								328008 88	36747.99	17.54	8.24
								327963.45	36774.73	17.54	8.84
								327961 90	36772.30	17.54	8.84
								327955 21	36776.31	17.54	8.84
								327956 65	36778.82	17.54	8.84
								327950 61	36782.49	17.54	8.84
								327948 68	36779.82	17.54	8.84
								327941.76	36784.00	17.54	8.81
								327943.17	36786.72	17.54	8.84
								327930 69	36794.02	17.54	8.84
								327929.13	36791.59	17.54	8.78
								327922 01	36795.75	17.54	8.68
								327923.45	36798.26	17.54	8.73
								327917 52	36801.85	17.54	8.65
								327915 88	36799.31	17.54	8.60
								327908.76	36803.47	17.54	8.23
								327910 09	36806.07	17.54	8.54
								327904.75	36809.54	17.54	8.29
								327903 06	36807.39	17.54	8.23
								327900 05	36809.40	17.54	8.23
								327900 02	36812.36	17.54	8.36
								327897 28	36813.98	17.54	8.40
								327895 64	36811.44	17.54	8.23
								327887.74	36816.03	17.54	8.53
								327889 36	36818.77	17.54	8.53
								327876 33	36826.13	17.54	8.53
								327931.40	36919.05	17.54	8.45
								327973.49	36893.85	17.54	8.53
								327940.44	36838.13	17.54	8.84
								327979.47	36815.34	17.54	8.84
								327981 96	36819.42	17.54	8.84
								327987 89	36816.02	17.54	8.84
								327985.42	36811.93	17.54	8.84
								328000 65	36803.02	17.54	8.84
								328004 59	36809.41	17.54	8.84
								328015 59	36802.93	17.54	8.84
								328016 67	36805.00	17.54	8.84
								328041 38	36790.82	17.54	8.84
								328039 85	36788.18	17.54	8.84
								328042.12	36787.12	17.54	8.84
								328038 27	36780.83	17.54	8.83
								328042 96	36778.22	17.54	8.81
								328045.12	36781.45	17.54	8.84
								328048 86	36779.23	17.54	8.82
								328046 62	36775.88	17.54	8.78

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328051 84	36772.31	17.54	8.84
								328067 50	36798.59	17.54	8.25
		BUILD NG	x	0		9 00	r	328017.42	36640.82	18.75	9.75
								328002.18	36615.83	18.75	9.99
								327990 31	36623.07	18.75	9.95
								327993 24	36627.86	18.75	9.95
								327993 82	36627.51	18.75	9.96
								327995 64	36630.49	18.75	9.93
								327993 52	36631.78	18.75	9.92
								327995.78	36635.49	18.75	9.88
								327997 89	36634.20	18.75	9.90
								328003.15	36642.82	18.75	9.77
								328002 27	36643.36	18.75	9.79
								328005 25	36648.24	18.75	9.75
		BUILD NG	x	0		9 00	r	327989 84	36656.81	18.59	9.59
								327976 95	36635.19	18.59	9.75
								327894 61	36684.32	18.59	8.84
								327907 50	36705.93	18.59	8.84
		BUILD NG	x	0		9 00	r	328065 00	36878.64	17.01	8.01
								328058 90	36868.17	17.01	8.17
								328022 21	36889.56	17.01	8.17
								328028 31	36900.03	17.01	8.06
		BUILD NG	x	0		9 00	r	328024.16	36899.21	17.11	8.11
								328019 26	36890.98	17.11	8.19
								327979 94	36914.37	17.11	8.12
								327984 84	36922.60	17.11	8.04
		BUILD NG	x	0		9 00	r	328123.70	36352.15	19.50	10.50
								328201 81	36303.72	19.50	10.36
								328182 67	36272.49	19.50	10.36
								328104 39	36320.80	19.50	10.36
		BUILD NG	x	0		9 00	r	328093.44	36389.33	19.36	10.36
								328163 25	36502.01	19.36	10.36
								328195 96	36481.84	19.36	10.12
								328126 05	36369.12	19.36	10.51
		BUILD NG	x	0		9 00	r	328312.14	36698.20	18.75	9.75
								328303.10	36606.88	18.75	9.75
								328259 97	36611.14	18.75	8.84
								328269 20	36702.23	18.75	9.45
		BUILD NG	x	0		5 00	r	328117 81	36729.04	14.14	9.14
								328141 90	36710.28	14.14	8.75
								328147 28	36702.06	14.14	9.14
								328144 39	36698.63	14.14	8.49
								328146 81	36694.83	14.14	9.14
								328140.14	36690.43	14.14	9.14
								328138 87	36692.24	14.14	9.14
								328129 83	36680.21	14.14	9.14
								328098.74	36704.65	14.14	9.14
		BUILD NG	x	0		9 00	r	328174.78	36795.25	18.13	9.13
								328233 50	36705.94	18.13	9.57
								328207 65	36688.75	18.13	9.75
								328174 52	36739.71	18.13	9.39
								328170 52	36737.06	18.13	9.45
								328160 97	36751.52	18.13	9.45
								328164.77	36754.05	18.13	9.45
								328148 81	36778.18	18.13	9.45
		BUILD NG	x	0		9 00	r	327474.12	36756.47	18.31	9.31
								327480 52	36767.37	18.31	9.14
								327486 36	36763.94	18.31	9.23
								327488 07	36766.86	18.31	9.18
								327499 65	36760.06	18.31	9.21
								327497 91	36757.11	18.31	9.25
								327505.44	36752.69	18.31	9.33

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327498 67	36741.16	18.31	9.45
								327490 98	36745.68	18.31	9.44
								327489 56	36743.25	18.31	9.45
								327478 09	36749.98	18.31	9.45
								327479 91	36753.07	18.31	9.41
		BUILD NG	x	0		9 00	r	327677 61	36715.90	18.45	9.45
								327692 84	36705.24	18.45	9.45
								327641 99	36632.59	18.45	9.45
								327626.73	36643.28	18.45	9.45
								327639.44	36661.44	18.45	9.45
								327637 02	36663.13	18.45	9.45
								327650 81	36682.84	18.45	9.45
								327653 27	36681.13	18.45	9.45
		BUILD NG	x	0		9 00	r	326924 55	37127.00	18.14	9.14
								326975 04	37212.58	18.14	9.11
								327014 90	37189.14	18.14	9.14
								327011 03	37182.57	18.14	8.75
								327013.10	37181.27	18.14	9.14
								327009 25	37174.38	18.14	9.45
								327006 85	37175.73	18.14	9.41
								326980.74	37130.22	18.14	9.14
								327006 33	37114.75	18.14	9.14
								326998.40	37101.15	18.14	9.14
								326972 36	37116.57	18.14	9.14
								326964.41	37103.51	18.14	9.14
		BUILD NG	x	0		9 00	r	326655.79	37614.64	18.45	9.45
								326641 98	37600.55	18.45	9.45
								326630 22	37612.07	18.45	9.45
								326644 03	37626.16	18.45	9.45
		BUILD NG	x	0		9 00	r	326631 08	37606.28	18.45	9.45
								326640 87	37596.80	18.45	9.45
								326636.74	37592.53	18.45	9.45
								326626 95	37602.01	18.45	9.45
		BUILD NG	x	0		9 00	r	326585 88	37495.59	18.52	9.52
								326519.71	37540.50	18.52	9.63
								326528.73	37553.78	18.52	9.48
								326536 03	37548.82	18.52	9.55
								326537.49	37550.96	18.52	9.53
								326588 68	37516.21	18.52	9.46
								326587 33	37514.22	18.52	9.47
								326595 00	37509.02	18.52	9.45
		BUILD NG	x	0		9 00	r	326475.18	37542.05	18.75	9.75
								326495 64	37572.13	18.75	9.75
								326495 82	37571.92	18.75	9.75
								326499.48	37577.30	18.75	9.75
								326518 24	37564.54	18.75	9.75
								326507 80	37549.19	18.75	9.75
								326504 21	37551.64	18.75	9.75
								326490 57	37531.58	18.75	9.75
		BUILD NG	x	0		9 00	r	326606 38	37671.89	18.45	9.45
								326626 97	37651.56	18.45	9.45
								326619 89	37644.39	18.45	9.45
								326619 88	37644.72	18.45	9.45
								326627 09	37637.60	18.45	9.45
								326617 00	37627.38	18.45	9.45
								326617 08	37627.39	18.45	9.45
								326591 00	37600.98	18.45	9.45
								326582.77	37609.10	18.45	9.45
								326582.19	37608.52	18.45	9.45
								326581 33	37609.37	18.45	9.45
								326575 02	37602.99	18.45	9.45
								326577 57	37600.47	18.45	9.45

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								326562 64	37585.35	18.45	9.45
								326555 56	37592.33	18.45	9.45
								326552 50	37589.23	18.45	9.45
								326546 36	37595.29	18.45	9.45
								326551 99	37600.99	18.45	9.45
								326547 53	37605.38	18.45	9.45
								326569 03	37627.16	18.45	9.45
								326565 58	37630.56	18.45	9.45
		BUILD NG	x	0		9 00	r	326369 00	37829.55	16.75	7.75
								326390 31	37810.92	16.75	7.91
								326385 05	37804.91	16.75	7.95
								326381 03	37808.42	16.75	7.92
								326381.42	37808.87	16.75	7.92
								326368 00	37820.60	16.75	7.91
								326367 59	37820.13	16.75	7.92
								326363.72	37823.51	16.75	7.92
		BUILD NG	x	0		9 00	r	327913.74	36996.00	17.41	8.41
								327883.15	37016.60	17.41	8.32
								327954 67	37122.79	17.41	8.53
								327985 26	37102.19	17.41	8.53
		BUILD NG	x	0		9 00	r	325614.71	38101.58	17.23	8.23
								325575 61	38050.49	17.23	8.23
								325530 51	38085.02	17.23	8.52
								325536.11	38092.34	17.23	8.47
								325498.18	38121.37	17.23	8.23
								325550 22	38189.36	17.23	8.23
								325589.70	38159.15	17.23	8.23
								325571.16	38134.92	17.23	8.23
		BUILD NG	x	0		9 00	r	328027 09	36289.05	19.36	10.36
								327994 85	36236.59	19.36	10.36
								327864 92	36316.73	19.36	10.06
								327897 28	36369.29	19.36	10.25
		BUILD NG	x	0		9 00	r	327839.12	36480.48	18.75	9.75
								327779.49	36377.23	18.75	9.65
								327739 54	36400.39	18.75	9.66
								327802.45	36508.75	18.75	9.48
								327813 58	36502.54	18.75	9.67
								327810 51	36497.19	18.75	9.75
		BUILD NG	x	0		9 00	r	327779.46	36548.30	17.84	8.84
								327739 67	36413.34	17.84	9.71
								327731 80	36415.67	17.84	9.68
								327728.42	36403.89	17.84	9.64
								327669 21	36421.22	17.84	9.74
								327677.11	36447.73	17.84	9.70
								327668 28	36449.85	17.84	9.75
								327695 62	36541.80	17.84	9.53
								327704 24	36539.32	17.84	9.50
								327712 65	36568.18	17.84	9.63
		BUILD NG	x	0		5 00	r	326584.42	37311.75	15.25	10.25
								326588 35	37280.49	15.25	10.36
								326526 99	37272.60	15.25	10.06
								326523 01	37303.80	15.25	10.06
		BUILD NG	x	0		4 00	r	326515 66	37222.88	14.39	10.39
								326536.12	37249.29	14.39	10.47
								326565 05	37226.90	14.39	10.49
								326562 54	37223.78	14.39	10.51
								326571.13	37217.17	14.39	10.40
								326560 33	37203.33	14.39	10.47
								326549 21	37211.97	14.39	10.67
								326546.70	37208.72	14.39	10.65
								326540.70	37213.35	14.39	10.60
								326536.13	37207.23	14.39	10.55

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								326532 85	37209.69	14.39	10.53
								326524.15	37198.50	14.39	10.40
								326510 31	37209.27	14.39	10.36
								326518 90	37220.35	14.39	10.41
		BUILD NG	x	0		9 00	r	325439.73	37471.42	16.01	7.01
								325450 00	37467.69	16.01	6.93
								325445 57	37455.52	16.01	7.01
								325435 31	37459.25	16.01	7.11
		BUILD NG	x	0		9 00	r	325305 24	37530.33	16.95	7.95
								325346 58	37514.14	16.95	8.19
								325344 30	37508.31	16.95	8.09
								325347 93	37506.89	16.95	8.06
								325344 07	37497.04	16.95	7.92
								325322 36	37505.55	16.95	7.92
								325321 59	37503.58	16.95	7.92
								325317 34	37505.25	16.95	7.92
								325318.16	37507.35	16.95	7.92
								325313 95	37509.00	16.95	7.92
								325313.14	37506.93	16.95	7.92
								325309.73	37508.26	16.95	7.92
								325310 57	37510.41	16.95	7.92
								325299.18	37514.87	16.95	7.97
		BUILD NG	x	0		9 00	r	325383.15	37523.16	17.14	8.14
								325377 32	37508.60	17.14	8.04
								325343 35	37522.21	17.14	8.19
								325349.17	37536.75	17.14	8.23
								325350.43	37536.25	17.14	8.23
								325356 34	37551.00	17.14	8.27
								325366.45	37546.94	17.14	8.28
								325360.46	37531.99	17.14	8.23
								325360 64	37532.18	17.14	8.23
		BUILD NG	x	0		9 00	r	325385 30	37515.68	17.06	8.06
								325409 37	37505.99	17.06	7.84
								325405.46	37496.26	17.06	7.87
								325381 38	37505.94	17.06	8.00
		BUILD NG	x	0		9 00	r	325461.79	37530.02	16.62	7.62
								325450 58	37522.15	16.62	7.68
								325438 27	37513.67	16.62	7.68
								325434.70	37517.86	16.62	7.74
								325431.40	37522.11	16.62	7.79
								325427 94	37526.90	16.62	7.86
								325424 88	37531.43	16.62	7.91
								325422 51	37535.62	16.62	7.98
								325419 27	37541.40	16.62	8.08
								325415.73	37547.85	16.62	8.20
								325411.73	37555.41	16.62	8.23
								325408 30	37561.64	16.62	8.28
								325416 50	37566.22	16.62	8.25
								325421 31	37568.91	16.62	8.24
								325433 03	37575.67	16.62	8.12
								325438.73	37565.29	16.62	7.99
								325442.78	37557.81	16.62	7.96
								325446 04	37551.87	16.62	7.94
								325448 83	37547.16	16.62	7.93
								325452 39	37541.92	16.62	7.84
								325455.13	37538.17	16.62	7.77
								325458.76	37533.70	16.62	7.69
		BUILD NG	x	0		9 00	r	325466.79	37547.15	16.75	7.75
								325469 06	37542.91	16.75	7.68
								325462 82	37539.56	16.75	7.72
								325460 55	37543.81	16.75	7.81
		BUILD NG	x	0		9 00	r	325458.48	37583.38	16.92	7.92

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								325461.70	37577.64	16.92	7.92
								325466.46	37580.30	16.92	8.64
								325471 01	37572.17	16.92	7.92
								325466 30	37569.53	16.92	7.92
								325469 55	37563.72	16.92	7.92
								325460 04	37558.39	16.92	7.92
								325449 02	37578.08	16.92	7.92
		BUILD NG	x	0		9 00	r	325718 97	37951.47	17.72	8.72
								325685 63	37922.61	17.72	8.84
								325681.44	37927.12	17.72	8.84
								325680 97	37926.80	17.72	8.84
								325675.79	37932.74	17.72	9.13
								325676.15	37933.14	17.72	9.14
								325671 20	37938.72	17.72	8.76
								325679.78	37946.38	17.72	9.12
								325680 39	37945.64	17.72	9.14
								325685 26	37949.92	17.72	9.14
								325682 38	37952.86	17.72	9.14
								325689 27	37958.87	17.72	9.14
								325691 84	37955.54	17.72	9.14
								325697 89	37960.95	17.72	8.98
								325697 37	37961.51	17.72	8.98
								325704.42	37967.71	17.72	8.50
								325708 53	37962.88	17.72	8.53
								325708 98	37963.32	17.72	8.49
								325714.16	37957.33	17.72	8.51
								325713 82	37957.09	17.72	8.53
		BUILD NG	x	0		4 00	r	326445 25	37213.94	14.25	10.25
								326465.70	37240.30	14.25	10.21
								326494.70	37217.91	14.25	10.10
								326492.17	37214.78	14.25	10.10
								326500 96	37208.28	14.25	10.19
								326490.16	37194.35	14.25	10.06
								326478 91	37202.93	14.25	10.11
								326476.47	37199.45	14.25	10.09
								326470 36	37204.21	14.25	10.13
								326465.77	37198.25	14.25	10.15
								326462.43	37200.62	14.25	10.20
								326453.79	37189.55	14.25	10.35
								326439 87	37200.27	14.25	10.23
								326448 64	37211.42	14.25	10.34
		BUILD NG	x	0		9 00	r	328466 34	37031.29	15.68	6.68
								328462 39	37014.54	15.68	6.40
								328445 07	37018.63	15.68	6.31
								328449 05	37035.33	15.68	6.67
		BUILD NG	x	0		9 00	r	328663 00	37021.55	16.86	7.86
								328659 00	37022.31	16.86	8.06
								328659 68	37025.42	16.86	8.10
								328663 58	37024.73	16.86	7.87
		BUILD NG	x	0		9 00	r	328675 69	37048.66	16.80	7.80
								328672.12	37049.37	16.80	7.83
								328672 60	37052.16	16.80	7.86
								328676.11	37051.67	16.80	7.82
		BUILD NG	x	0		9 00	r	328678 97	37052.30	16.80	7.80
								328673.17	37053.60	16.80	7.86
								328674 30	37058.94	16.80	7.90
								328680 39	37057.59	16.80	7.84
		BUILD NG	x	0		9 00	r	328684 05	37075.87	16.78	7.78
								328677.77	37077.12	16.78	7.89
								328679.12	37082.41	16.78	7.80
								328685 24	37081.03	16.78	7.67
		BUILD NG	x	0		9 00	r	328685.14	37082.40	16.66	7.66

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328674 60	37084.79	16.66	7.90
								328675 52	37089.03	16.66	7.88
								328678 52	37088.43	16.66	7.77
								328678 96	37090.46	16.66	7.73
								328686 39	37088.67	16.66	7.62
		BUILD NG	x	0		9 00	r	328680 50	37095.30	16.65	7.65
								328677 58	37096.00	16.65	7.83
								328678 29	37098.96	16.65	7.81
								328681 21	37098.22	16.65	7.62
		BUILD NG	x	0		9 00	r	328692.49	37108.19	16.62	7.62
								328685 26	37109.93	16.62	7.68
								328686.49	37115.08	16.62	7.71
								328693 69	37113.53	16.62	7.62
		BUILD NG	x	0		9 00	r	328693 94	37114.48	16.62	7.62
								328686 65	37116.11	16.62	7.72
								328688.18	37122.76	16.62	7.70
								328695 54	37121.12	16.62	7.62
		BUILD NG	x	0		9 00	r	328662.44	37021.42	16.87	7.87
								328671 69	37019.03	16.87	7.72
								328669 92	37011.30	16.87	7.74
								328660 33	37013.46	16.87	7.96
		BUILD NG	x	0		9 00	r	328654 29	36997.72	17.18	8.18
								328660 65	36996.31	17.18	7.91
								328660 04	36993.16	17.18	7.92
								328653 53	36994.36	17.18	8.17
		BUILD NG	x	0		9 00	r	328676 59	36978.64	16.72	7.72
								328675 85	36975.35	16.72	7.76
								328676.16	36975.28	16.72	7.76
								328675 82	36973.75	16.72	7.77
								328675.46	36973.83	16.72	7.78
								328674 52	36969.65	16.72	7.82
								328666 07	36971.54	16.72	7.90
								328667 24	36976.74	16.72	7.85
								328666 91	36976.90	16.72	7.85
								328667 32	36978.73	16.72	7.83
								328667.73	36978.64	16.72	7.83
								328668.16	36980.53	16.72	7.81
		BUILD NG	x	0		9 00	r	328678 04	36985.00	16.66	7.66
								328669.79	36987.02	16.66	7.77
								328670 08	36988.19	16.66	7.78
								328667.43	36988.85	16.66	7.82
								328668 00	36991.17	16.66	7.82
								328670.47	36990.56	16.66	7.78
								328671 82	36996.01	16.66	7.68
								328680 22	36993.95	16.66	7.62
								328679 21	36989.83	16.66	7.63
								328679 55	36989.75	16.66	7.63
								328679.19	36988.26	16.66	7.64
								328678 86	36988.34	16.66	7.64
		BUILD NG	x	0		9 00	r	328671.49	37016.24	16.73	7.73
								328684 67	37013.14	16.73	7.62
								328684 54	37012.57	16.73	7.62
								328684 91	37012.48	16.73	7.62
								328684 06	37008.83	16.73	7.62
								328683.72	37008.91	16.73	7.62
								328681 90	37001.18	16.73	7.62
								328673 00	37003.27	16.73	7.62
								328674 59	37010.06	16.73	7.63
								328670 27	37011.08	16.73	7.73
		BUILD NG	x	0		9 00	r	328667 60	37010.65	16.78	7.78
								328671.10	37010.00	16.78	7.71
								328670 38	37006.17	16.78	7.74

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328666 89	37006.82	16.78	7.86
		BUILD NG	x	0		9 00	r	328679 64	37032.28	16.68	7.68
								328688 62	37030.22	16.68	7.62
								328686 89	37022.69	16.68	7.62
								328687 31	37022.59	16.68	7.62
								328686 31	37018.21	16.68	7.62
								328676 90	37020.37	16.68	7.64
								328677.71	37023.89	16.68	7.65
								328677 34	37023.98	16.68	7.66
								328677 83	37026.11	16.68	7.66
								328678 20	37026.03	16.68	7.66
		BUILD NG	x	0		9 00	r	328683.48	37047.77	16.73	7.73
								328687.40	37046.90	16.73	7.69
								328687 34	37046.61	16.73	7.69
								328695 30	37044.83	16.73	7.62
								328694.48	37041.19	16.73	7.62
								328694.79	37041.12	16.73	7.62
								328694.41	37039.42	16.73	7.62
								328694 04	37039.51	16.73	7.62
								328693 05	37035.04	16.73	7.62
								328681 23	37037.68	16.73	7.67
		BUILD NG	x	0		9 00	r	328680 29	37055.34	16.82	7.82
								328686 00	37053.29	16.82	7.76
								328684 86	37050.12	16.82	7.74
								328679.15	37052.17	16.82	7.80
		BUILD NG	x	0		9 00	r	328687.49	37062.62	16.73	7.73
								328695 88	37060.64	16.73	7.62
								328694 90	37056.48	16.73	7.62
								328695 20	37056.41	16.73	7.62
								328694 82	37054.82	16.73	7.62
								328694 50	37054.90	16.73	7.63
								328693.73	37051.62	16.73	7.65
								328685 35	37053.60	16.73	7.77
								328685.77	37055.39	16.73	7.78
								328685 38	37055.48	16.73	7.78
								328685 87	37057.54	16.73	7.77
								328686 27	37057.44	16.73	7.77
		BUILD NG	x	0		9 00	r	328688 69	37067.91	16.69	7.69
								328689 94	37073.08	16.69	7.66
								328689 54	37073.18	16.69	7.67
								328689 99	37075.04	16.69	7.66
								328690 39	37074.95	16.69	7.65
								328690 85	37076.83	16.69	7.64
								328699 20	37074.81	16.69	7.62
								328698.44	37071.66	16.69	7.62
								328698.76	37071.58	16.69	7.62
								328698 51	37070.55	16.69	7.62
								328702 52	37069.58	16.69	7.62
								328701 25	37064.30	16.69	7.62
								328696 37	37065.48	16.69	7.62
								328696 50	37066.03	16.69	7.62
		BUILD NG	x	0		9 00	r	328691.17	37084.18	16.62	7.62
								328692.70	37090.20	16.62	7.62
								328696.76	37089.17	16.62	7.62
								328697 39	37091.65	16.62	7.62
								328705.78	37089.51	16.62	7.62
								328704.75	37085.46	16.62	7.62
								328705.18	37085.35	16.62	7.62
								328704.77	37083.75	16.62	7.62
								328704.47	37083.82	16.62	7.62
								328703 62	37080.47	16.62	7.62
								328695 30	37082.59	16.62	7.62

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328695 30	37082.59	16.62	7.62
								328694 05	37082.91	16.62	7.62
								328694.17	37083.41	16.62	7.62
		BUILD NG	x	0		9 00	r	328694 29	37108.06	16.62	7.62
								328700 26	37106.68	16.62	7.62
								328700 92	37109.52	16.62	7.62
								328710 01	37107.42	16.62	7.62
								328709 88	37106.84	16.62	7.62
								328710 21	37106.76	16.62	7.62
								328709 32	37102.91	16.62	7.62
								328708 97	37102.99	16.62	7.62
								328707 25	37095.53	16.62	7.62
								328692 20	37099.01	16.62	7.62
		BUILD NG	x	0		9 00	r	328714 01	37124.38	16.62	7.62
								328712 25	37116.88	16.62	7.62
								328712 56	37116.81	16.62	7.62
								328711 66	37112.95	16.62	7.62
								328711 37	37113.02	16.62	7.62
								328711 29	37112.64	16.62	7.62
								328702 25	37114.76	16.62	7.62
								328702 98	37117.90	16.62	7.62
								328702 65	37117.98	16.62	7.62
								328703 28	37120.65	16.62	7.62
								328703 64	37120.56	16.62	7.62
								328704 95	37126.12	16.62	7.62
								328701 94	37126.83	16.62	7.62
								328702 64	37129.79	16.62	7.62
								328708.42	37128.44	16.62	7.62
								328707 81	37125.84	16.62	7.62
		BUILD NG	x	0		9 00	r	328715.42	37130.46	16.62	7.62
								328707 05	37132.41	16.62	7.62
								328708 25	37137.60	16.62	7.62
								328707 84	37137.70	16.62	7.62
								328708 27	37139.52	16.62	7.62
								328705.44	37140.17	16.62	7.62
								328705 38	37139.94	16.62	7.62
								328699 05	37141.41	16.62	7.62
								328700 30	37146.80	16.62	7.62
								328711 01	37144.31	16.62	7.62
								328710 27	37141.13	16.62	7.62
								328717 53	37139.45	16.62	7.62
								328716 86	37136.59	16.62	7.62
								328717 21	37136.51	16.62	7.62
								328716.73	37134.45	16.62	7.62
								328716 36	37134.54	16.62	7.62
		BUILD NG	x	0		9 00	r	328718 20	37155.56	16.70	7.70
								328717 25	37151.54	16.70	7.66
								328717 62	37151.46	16.70	7.66
								328717.18	37149.62	16.70	7.63
								328716 81	37149.71	16.70	7.63
								328716 06	37146.56	16.70	7.62
								328707.75	37148.52	16.70	7.62
								328708.16	37150.26	16.70	7.64
								328707.78	37150.35	16.70	7.64
								328708 24	37152.31	16.70	7.67
								328708 54	37152.24	16.70	7.67
								328709.79	37157.54	16.70	7.75
		BUILD NG	x	0		9 00	r	328709 25	37156.78	16.74	7.74
								328706 90	37157.29	16.74	7.75
								328707 65	37160.71	16.74	7.80
								328710 00	37160.20	16.74	7.79
		BUILD NG	x	0		9 00	r	328699 60	37176.32	16.90	7.90

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328705 54	37174.74	16.90	7.85
								328704.72	37171.30	16.90	7.85
								328698.70	37172.96	16.90	7.91
		BUILD NG	x	0		9 00	r	328701.17	37181.74	16.90	7.90
								328703 51	37181.21	16.90	7.88
								328703.13	37179.21	16.90	7.88
								328700 86	37179.74	16.90	7.90
		BUILD NG	x	0		9 00	r	328707.45	37180.14	16.85	7.85
								328708.15	37183.95	16.85	7.85
								328712 55	37183.29	16.85	7.82
								328711 88	37179.33	16.85	7.81
		BUILD NG	x	0		9 00	r	328707 96	37206.49	16.92	7.92
								328711.48	37205.81	16.92	7.92
								328710 97	37202.70	16.92	7.92
								328707.42	37203.56	16.92	7.92
		BUILD NG	x	0		9 00	r	328720 36	37204.94	16.92	7.92
								328713 23	37206.59	16.92	7.92
								328714 88	37213.76	16.92	7.92
								328722 08	37212.07	16.92	7.92
		BUILD NG	x	0		9 00	r	328714 61	37237.09	17.09	8.09
								328720.49	37235.55	17.09	8.11
								328719 37	37230.69	17.09	7.99
								328713 35	37232.17	17.09	7.96
								328713 54	37233.06	17.09	7.99
								328712 83	37233.21	17.09	7.98
								328713 68	37236.64	17.09	8.09
								328714.43	37236.49	17.09	8.07
		BUILD NG	x	0		9 00	r	328722 65	37242.25	17.23	8.23
								328715 31	37243.87	17.23	8.23
								328716 61	37249.44	17.23	8.23
								328723 88	37247.74	17.23	8.23
		BUILD NG	x	0		9 00	r	328748 07	37310.91	18.30	9.30
								328734 91	37312.53	18.30	9.04
								328736 03	37321.88	18.30	9.18
								328735 53	37321.91	18.30	9.17
								328736 36	37328.09	18.30	9.15
								328744.15	37327.16	18.30	9.32
								328743.49	37322.01	18.30	9.35
								328749 21	37321.34	18.30	9.44
		BUILD NG	x	0		9 00	r	328741 64	37566.36	17.01	8.01
								328694 61	37605.20	17.01	7.92
								328706 65	37619.89	17.01	7.92
								328702 03	37623.94	17.01	7.92
								328705.10	37627.59	17.01	7.92
								328710.16	37623.58	17.01	7.92
								328736 96	37656.32	17.01	7.84
								328778 22	37622.17	17.01	8.23
								328771 20	37613.76	17.01	8.20
								328784 05	37603.03	17.01	8.23
								328779 05	37596.99	17.01	8.23
								328771 89	37602.86	17.01	8.23
		BUILD NG	x	0		9 00	r	328712 90	36450.49	16.23	7.23
								328725.18	36510.78	16.23	8.07
								328764 58	36502.70	16.23	8.35
								328752 39	36442.26	16.23	7.99
		BUILD NG	x	0		9 00	r	328646 69	36955.60	17.36	8.36
								328653 05	36956.51	17.36	8.18
								328653 86	36950.44	17.36	8.18
								328647 58	36949.47	17.36	8.35
		BUILD NG	x	0		9 00	r	328658.71	36942.15	17.06	8.06
								328656 93	36953.83	17.06	8.13
								328666 26	36955.28	17.06	8.02

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328667 24	36947.73	17.06	8.03
								328667 62	36947.77	17.06	8.03
								328668 27	36943.43	17.06	7.98
								328663 84	36942.71	17.06	8.02
								328664 36	36939.54	17.06	7.97
								328652 88	36937.56	17.06	8.06
								328652 23	36941.05	17.06	8.11
		BUILD NG	x	0		9 00	r	328655 92	36937.47	17.03	8.03
								328658.70	36930.29	17.03	7.92
								328651 52	36927.38	17.03	7.92
								328648.73	36934.56	17.03	7.94
		BUILD NG	x	0		9 00	r	328646 63	36933.73	16.92	7.92
								328648.17	36930.52	16.92	7.92
								328645 66	36929.31	16.92	7.92
								328644.14	36932.42	16.92	7.92
		BUILD NG	x	0		9 00	r	328669 53	36937.72	16.92	7.92
								328672.79	36928.89	16.92	7.92
								328672 37	36928.75	16.92	7.92
								328673 90	36924.93	16.92	7.92
								328666 52	36922.12	16.92	7.92
								328665 06	36926.03	16.92	7.92
								328664 63	36925.81	16.92	7.92
								328663.16	36929.59	16.92	7.92
								328660 21	36928.45	16.92	7.92
								328658.46	36933.07	16.92	7.95
								328661.46	36934.21	16.92	7.93
								328661 35	36934.56	16.92	7.94
		BUILD NG	x	0		9 00	r	328719 59	37160.72	16.70	7.70
								328710 91	37162.69	16.70	7.79
								328713 05	37171.64	16.70	7.78
								328721 50	37169.73	16.70	7.70
								328720 84	37166.54	16.70	7.70
								328721.42	37166.42	16.70	7.70
								328721 03	37164.70	16.70	7.70
								328720 55	37164.81	16.70	7.70
		BUILD NG	x	0		9 00	r	328723 09	37170.35	16.68	7.68
								328717 25	37171.42	16.68	7.74
								328717 62	37173.66	16.68	7.74
								328723 36	37172.71	16.68	7.70
		BUILD NG	x	0		9 00	r	328716.73	37187.18	16.83	7.83
								328725.13	37185.20	16.83	7.77
								328724.16	37181.03	16.83	7.74
								328724.71	37180.91	16.83	7.74
								328724 35	37179.23	16.83	7.72
								328723 84	37179.34	16.83	7.73
								328723 09	37176.13	16.83	7.72
								328714 29	37178.22	16.83	7.79
								328714 64	37180.24	16.83	7.79
								328712 22	37180.81	16.83	7.80
								328712 61	37182.79	16.83	7.82
								328715 61	37182.13	16.83	7.80
		BUILD NG	x	0		9 00	r	328720 81	37191.65	16.85	7.85
								328722 96	37200.74	16.85	7.91
								328731 54	37198.67	16.85	7.89
								328730.76	37195.46	16.85	7.85
								328731 27	37195.34	16.85	7.85
								328730 87	37193.62	16.85	7.83
								328730 39	37193.70	16.85	7.83
								328729.43	37189.57	16.85	7.78
		BUILD NG	x	0		9 00	r	328726 58	37218.54	16.92	7.92
								328735 67	37216.39	16.92	7.92
								328733 95	37208.87	16.92	7.92

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328734 35	37208.80	16.92	7.92
								328733.48	37204.93	16.92	7.92
								328733 07	37205.00	16.92	7.92
								328732 92	37204.49	16.92	7.92
								328723.75	37206.57	16.92	7.92
								328724 54	37209.86	16.92	7.92
								328724 21	37209.96	16.92	7.92
								328724.77	37212.29	16.92	7.92
								328725.14	37212.22	16.92	7.92
		BUILD NG	x	0		9 00	r	328737 22	37223.06	16.92	7.92
								328728.13	37225.21	16.92	7.97
								328728 98	37229.34	16.92	8.01
								328726 33	37229.96	16.92	8.04
								328728 06	37237.11	16.92	8.12
								328730 64	37236.46	16.92	8.09
								328730.77	37237.16	16.92	8.10
								328739 99	37234.84	16.92	7.99
								328739 89	37234.41	16.92	7.99
								328740 29	37234.34	16.92	7.98
								328739.41	37230.39	16.92	7.95
								328738 94	37230.50	16.92	7.95
		BUILD NG	x	0		9 00	r	328732 01	37252.44	17.23	8.23
								328740 62	37250.44	17.23	8.23
								328739 66	37246.35	17.23	8.23
								328740.10	37246.24	17.23	8.23
								328739 68	37244.34	17.23	8.23
								328739 20	37244.42	17.23	8.23
								328738.47	37241.36	17.23	8.18
								328727 02	37244.03	17.23	8.23
								328727 28	37244.98	17.23	8.23
								328726 22	37245.25	17.23	8.23
								328726 29	37245.65	17.23	8.23
								328723 57	37246.32	17.23	8.23
								328724.48	37250.22	17.23	8.23
								328731 04	37248.65	17.23	8.23
		BUILD NG	x	0		9 00	r	328743.10	37255.40	17.23	8.23
								328734.79	37257.45	17.23	8.23
								328736 97	37266.49	17.23	8.23
								328745.19	37264.26	17.23	8.23
		BUILD NG	x	0		9 00	r	328749 62	37285.32	17.60	8.60
								328756.44	37279.24	17.60	8.86
								328751.40	37273.45	17.60	8.51
								328751.72	37273.24	17.60	8.53
								328749 37	37270.39	17.60	8.40
								328748 95	37270.64	17.60	8.38
								328748 62	37270.22	17.60	8.35
								328741 31	37276.56	17.60	8.29
								328738 64	37273.73	17.60	8.23
								328732 92	37278.76	17.60	8.23
								328737 55	37283.77	17.60	8.29
								328742 68	37279.23	17.60	8.35
								328744 56	37281.34	17.60	8.41
								328745 28	37280.81	17.60	8.42
		BUILD NG	x	0		9 00	r	328757 24	37302.48	18.54	9.54
								328753 27	37300.02	18.54	9.41
								328752 05	37301.97	18.54	9.32
								328756 22	37304.48	18.54	9.50
		BUILD NG	x	0		9 00	r	328761.12	37282.40	18.47	9.47
								328756 36	37290.45	18.47	9.46
								328759 99	37292.75	18.47	9.53
								328760.11	37292.44	18.47	9.53
								328769 51	37298.19	18.47	9.72

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328774.17	37290.74	18.47	9.66
								328771.71	37289.27	18.47	9.64
								328771 92	37288.99	18.47	9.64
								328770 59	37288.14	18.47	9.62
								328770 31	37288.42	18.47	9.62
								328767 97	37287.02	18.47	9.59
								328768.17	37286.70	18.47	9.59
								328764 93	37284.71	18.47	9.54
								328765.13	37284.43	18.47	9.54
								328763.76	37283.54	18.47	9.52
								328763 56	37283.82	18.47	9.52
		BUILD NG	x	0		9 00	r	328764.47	37301.34	18.70	9.70
								328765 67	37299.20	18.70	9.68
								328763.42	37297.97	18.70	9.62
								328762 22	37300.18	18.70	9.65
		BUILD NG	x	0		9 00	r	328774.40	37302.44	18.75	9.75
								328772.40	37311.27	18.75	9.75
								328779.46	37312.92	18.75	9.75
								328779 52	37312.73	18.75	9.75
								328784 92	37313.92	18.75	9.75
								328788.45	37299.32	18.75	9.75
								328788 87	37299.40	18.75	9.75
								328789 64	37295.59	18.75	9.74
								328789 29	37295.50	18.75	9.74
								328789.43	37294.90	18.75	9.73
								328780 51	37292.88	18.75	9.64
								328779 66	37296.14	18.75	9.72
								328779 32	37296.09	18.75	9.72
								328778 83	37298.20	18.75	9.75
								328779 09	37298.29	18.75	9.75
								328777 94	37303.24	18.75	9.75
		BUILD NG	x	0		9 00	r	328770 67	37338.36	18.75	9.75
								328766 26	37325.92	18.75	9.75
								328757 54	37329.08	18.75	9.61
								328757 28	37328.61	18.75	9.61
								328751.46	37330.68	18.75	9.51
								328754 20	37338.02	18.75	9.59
								328759 04	37336.26	18.75	9.68
								328760 96	37341.72	18.75	9.74
		BUILD NG	x	0		9 00	r	328781 23	37354.24	18.94	9.94
								328773.73	37343.32	18.94	9.79
								328765 02	37349.46	18.94	9.78
								328768 31	37354.07	18.94	9.84
								328764.11	37357.03	18.94	9.77
								328768.47	37363.39	18.94	9.86
		BUILD NG	x	0		9 00	r	328787 57	37362.03	19.05	10.05
								328787 84	37359.53	19.05	10.03
								328785 86	37359.32	19.05	10.01
								328785 62	37361.86	19.05	10.03
		BUILD NG	x	0		9 00	r	328778 20	37380.84	19.24	10.24
								328780.79	37379.08	19.24	10.24
								328779 62	37377.32	19.24	10.19
								328777 03	37379.20	19.24	10.19
		BUILD NG	x	0		9 00	r	328780.71	37375.47	19.16	10.16
								328773.14	37364.59	19.16	9.94
								328765 37	37370.06	19.16	9.81
								328765 20	37369.75	19.16	9.80
								328760 07	37373.34	19.16	9.75
								328764 61	37379.75	19.16	10.04
								328768.76	37376.83	19.16	9.98
								328772 02	37381.55	19.16	10.13
		BUILD NG	x	0		9 00	r	328782 68	37369.10	19.06	10.06

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328780 09	37371.01	19.06	10.06
								328782.13	37373.84	19.06	10.12
								328784.76	37372.07	19.06	10.10
								328784 83	37370.59	19.06	10.06
								328784 07	37369.39	19.06	10.06
		BUILD NG	x	0		9 00	r	328789 85	37344.77	18.94	9.94
								328791 02	37364.25	18.94	10.06
								328800 24	37363.38	18.94	10.06
								328799 57	37353.26	18.94	10.06
								328804.10	37352.89	18.94	10.06
								328803 52	37343.86	18.94	10.04
		BUILD NG	x	0		9 00	r	328801.75	37331.95	18.91	9.91
								328803 65	37340.91	18.91	10.01
								328808.17	37339.91	18.91	10.05
								328810 37	37349.78	18.91	10.08
								328817 50	37348.01	18.91	10.26
								328813.70	37329.37	18.91	10.06
		BUILD NG	x	0		9 00	r	328827 54	37340.84	19.36	10.36
								328841.17	37331.16	19.36	10.47
								328840 04	37329.61	19.36	10.45
								328843.48	37327.18	19.36	10.47
								328836 22	37317.21	19.36	10.34
								328833 21	37319.13	19.36	10.36
								328835 09	37322.25	19.36	10.36
								328834 03	37322.89	19.36	10.36
								328832.40	37320.49	19.36	10.36
								328817.41	37330.85	19.36	10.35
								328818 81	37333.63	19.36	10.36
								328818 31	37333.97	19.36	10.36
								328823.15	37341.48	19.36	10.36
								328826.42	37339.32	19.36	10.36
		BUILD NG	x	0		9 00	r	328842.48	37318.24	19.39	10.39
								328848.14	37326.30	19.39	10.53
								328858 57	37319.07	19.39	10.67
								328858.11	37318.54	19.39	10.67
								328864 94	37313.67	19.39	10.67
								328860.17	37306.65	19.39	10.67
								328853 27	37311.59	19.39	10.60
								328852 93	37311.06	19.39	10.60
		BUILD NG	x	0		9 00	r	328855 05	37296.98	19.55	10.55
								328864 03	37306.93	19.55	10.67
								328873 29	37298.84	19.55	9.78
								328864 20	37288.70	19.55	10.18
		BUILD NG	x	0		9 00	r	328849 60	37273.78	19.14	10.14
								328842 93	37280.24	19.14	10.18
								328848 30	37286.24	19.14	10.35
								328851.46	37283.49	19.14	10.34
								328852 94	37285.19	19.14	10.36
								328857 33	37281.25	19.14	10.33
								328855 55	37279.09	19.14	10.28
								328854.70	37279.76	19.14	10.29
		BUILD NG	x	0		9 00	r	328829 28	37289.46	19.08	10.08
								328837 34	37300.81	19.08	10.15
								328840 91	37298.10	19.08	10.22
								328838.11	37294.27	19.08	10.20
								328842 00	37291.24	19.08	10.26
								328836 59	37284.20	19.08	10.15
		BUILD NG	x	0		9 00	r	328843 86	37308.31	19.30	10.30
								328839.10	37302.34	19.30	10.17
								328835 28	37305.25	19.30	10.09
								328839 96	37311.26	19.30	10.24
		BUILD NG	x	0		9 00	r	328828 82	37308.44	19.06	10.06

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328832 00	37316.03	19.06	10.27
								328837 38	37313.58	19.06	10.25
								328834.44	37306.16	19.06	10.07
		BUILD NG	x	0		9 00	r	328827 84	37300.94	19.06	10.06
								328824 01	37292.14	19.06	10.00
								328819 87	37293.89	19.06	9.93
								328820 03	37294.44	19.06	9.93
								328812 94	37297.39	19.06	9.84
								328816 67	37305.89	19.06	10.02
		BUILD NG	x	0		9 00	r	328795 20	37311.06	18.75	9.75
								328803 83	37311.17	18.75	9.76
								328803 85	37302.71	18.75	9.75
								328804.41	37302.73	18.75	9.75
								328804.45	37299.17	18.75	9.75
								328803 97	37299.21	18.75	9.75
								328803 98	37297.98	18.75	9.75
								328795 51	37297.89	18.75	9.75
								328795 50	37299.15	18.75	9.75
								328794.72	37299.21	18.75	9.75
								328794 69	37301.55	18.75	9.75
								328795 36	37301.57	18.75	9.75
		BUILD NG	x	0		9 00	r	328799 39	37320.39	18.75	9.75
								328799 31	37313.30	18.75	9.75
								328790 88	37313.39	18.75	9.75
								328790 99	37320.73	18.75	9.75
		BUILD NG	x	0		9 00	r	328801 66	37325.44	18.82	9.82
								328800 80	37321.72	18.82	9.76
								328797 85	37322.48	18.82	9.76
								328798 66	37326.09	18.82	9.81
		BUILD NG	x	0		9 00	r	328894 28	37328.05	19.97	10.97
								328902 88	37340.39	19.97	10.97
								328908 95	37336.09	19.97	10.97
								328904 83	37330.06	19.97	10.97
								328915.49	37322.11	19.97	10.97
								328917 24	37324.76	19.97	10.97
								328921 29	37321.75	19.97	10.97
								328915.42	37314.19	19.97	10.18
								328912 07	37316.71	19.97	10.97
								328911 00	37315.37	19.97	10.97
								328899.44	37323.37	19.97	10.97
								328899 91	37324.19	19.97	10.97
		BUILD NG	x	0		9 00	r	328884 95	37337.24	19.97	10.97
								328874 64	37344.07	19.97	10.97
								328878 31	37349.82	19.97	10.97
								328871.76	37354.37	19.97	10.97
								328876.19	37360.47	19.97	10.92
								328883.17	37355.77	19.97	10.88
								328880.78	37352.36	19.97	10.97
								328890 80	37345.56	19.97	10.97
		BUILD NG	x	0		9 00	r	328847 52	37362.27	19.54	10.54
								328841 24	37366.78	19.54	10.46
								328841 50	37367.24	19.54	10.46
								328836 21	37371.08	19.54	10.38
								328841.74	37378.04	19.54	10.36
								328842 86	37377.17	19.54	10.36
								328844 37	37379.37	19.54	10.36
								328847 96	37376.84	19.54	10.38
								328846 67	37374.70	19.54	10.44
								328855 58	37368.38	19.54	10.60
								328856 81	37370.09	19.54	10.62
								328862.75	37365.82	19.54	10.71
								328861 59	37364.10	19.54	10.72

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328862 08	37363.72	19.54	10.73
								328856 95	37356.35	19.54	10.66
								328847 85	37362.80	19.54	10.54
		BUILD NG	x	0		9 00	r	328829.11	37388.63	19.11	10.11
								328819 90	37395.08	19.11	10.06
								328824 64	37401.57	19.11	10.06
								328833.45	37395.49	19.11	10.08
		BUILD NG	x	0		9 00	r	328810 37	37385.37	19.06	10.06
								328800 91	37392.02	19.06	10.01
								328806 82	37400.19	19.06	10.03
								328814 00	37395.21	19.06	10.06
								328814 61	37396.11	19.06	10.06
								328816 96	37394.55	19.06	10.06
								328815 37	37392.50	19.06	10.06
								328822 35	37387.53	19.06	10.06
								328817.78	37381.01	19.06	10.06
								328810 66	37385.96	19.06	10.06
		BUILD NG	x	0		9 00	r	328812.49	37525.94	18.45	9.45
								328826 21	37544.34	18.45	9.45
								328834 07	37538.48	18.45	9.45
								328833 50	37537.72	18.45	9.45
								328843.76	37530.06	18.45	9.45
								328845 82	37532.82	18.45	9.45
								328853 88	37526.81	18.45	9.45
								328851 83	37524.06	18.45	9.45
								328862 06	37516.43	18.45	9.45
								328862 67	37517.25	18.45	9.45
								328870.73	37511.24	18.45	9.45
								328856 99	37492.81	18.45	9.45
								328848 86	37498.88	18.45	9.45
								328849.43	37499.64	18.45	9.45
								328839.14	37507.31	18.45	9.45
								328836 91	37506.96	18.45	9.45
								328837 64	37506.42	18.45	9.45
								328832 87	37500.01	18.45	9.45
								328826 32	37504.89	18.45	9.45
								328831 00	37511.16	18.45	9.45
								328831 68	37510.65	18.45	9.45
								328833 95	37511.09	18.45	9.45
								328831.19	37513.14	18.45	9.45
								328831 30	37513.21	18.45	9.45
								328821 04	37520.87	18.45	9.45
								328820.42	37520.03	18.45	9.45
		BUILD NG	x	0		9 00	r	328123.70	36352.15	19.50	10.50
								328201 81	36303.72	19.50	10.36
								328182 67	36272.49	19.50	10.36
								328104 39	36320.80	19.50	10.36
		BUILD NG	x	0		9 00	r	328502 04	36512.43	16.32	7.32
								328492 91	36472.98	16.32	7.13
								328494 06	36472.68	16.32	7.13
								328493 81	36471.48	16.32	7.11
								328492 36	36471.75	16.32	7.11
								328487 54	36450.71	16.32	7.01
								328478 26	36452.74	16.32	6.76
								328479 69	36458.18	16.32	6.90
								328472 89	36459.90	16.32	6.95
								328473.74	36464.95	16.32	7.01
								328468 35	36466.08	16.32	7.24
								328469 34	36469.17	16.32	7.24
								328474.47	36468.07	16.32	7.01
								328485 92	36516.03	16.32	7.32
		BUILD NG	x	0		9 00	r	328501 05	36424.15	18.14	9.14

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328484 99	36358.44	18.14	8.84
								328460.46	36364.38	18.14	8.54
								328478.13	36435.93	18.14	8.91
								328493 32	36432.25	18.14	8.91
								328491 95	36426.55	18.14	9.05
		BUILD NG	x	0		9 00	r	328357.15	36644.29	19.01	10.01
								328347.77	36553.19	19.01	9.75
								328311 04	36556.43	19.01	9.75
								328312 32	36568.70	19.01	9.75
								328301 84	36569.59	19.01	9.75
								328303 32	36582.01	19.01	9.71
								328313.42	36580.98	19.01	9.75
								328315.45	36599.02	19.01	9.76
								328309 31	36599.43	19.01	8.84
								328310.47	36611.90	19.01	8.84
								328316.43	36611.37	19.01	9.78
								328317 87	36623.51	19.01	9.78
								328311 69	36623.77	19.01	8.84
								328313 00	36636.31	19.01	8.84
								328318 81	36635.72	19.01	9.78
								328320.11	36647.79	19.01	9.59
								328322 08	36647.73	19.01	9.53
								328322.73	36652.41	19.01	9.75
								328333 38	36651.42	19.01	9.77
								328332 97	36646.45	19.01	9.79
		BUILD NG	x	0		9 00	r	328117 81	36729.04	18.14	9.14
								328141 90	36710.28	18.14	8.75
								328147 28	36702.06	18.14	9.14
								328144 39	36698.63	18.14	8.49
								328146 81	36694.83	18.14	9.14
								328140.14	36690.43	18.14	9.14
								328138 87	36692.24	18.14	9.14
								328129 83	36680.21	18.14	9.14
								328098.74	36704.65	18.14	9.14
		BUILD NG	x	0		9 00	r	325718 97	37951.47	17.72	8.72
								325685 63	37922.61	17.72	8.84
								325681.44	37927.12	17.72	8.84
								325680 97	37926.80	17.72	8.84
								325675.79	37932.74	17.72	9.13
								325676.15	37933.14	17.72	9.14
								325671 20	37938.72	17.72	8.76
								325679.78	37946.38	17.72	9.12
								325680 39	37945.64	17.72	9.14
								325685 26	37949.92	17.72	9.14
								325682 38	37952.86	17.72	9.14
								325689 27	37958.87	17.72	9.14
								325691 84	37955.54	17.72	9.14
								325697 89	37960.95	17.72	8.98
								325697 37	37961.51	17.72	8.98
								325704.42	37967.71	17.72	8.50
								325708 53	37962.88	17.72	8.53
								325708 98	37963.32	17.72	8.49
								325714.16	37957.33	17.72	8.51
								325713 82	37957.09	17.72	8.53
		BUILD NG	x	0		9 00	r	325380 03	38761.09	16.02	7.02
								325384 65	38751.06	16.02	7.13
								325381 56	38749.58	16.02	7.24
								325381.76	38749.23	16.02	7.25
								325374 90	38746.07	16.02	7.32
								325374.19	38747.49	16.02	7.31
								325372.44	38746.68	16.02	7.32
								325368 83	38754.13	16.02	7.28

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								325370 60	38754.96	16.02	7.24
								325369.79	38756.44	16.02	7.24
								325376.77	38759.78	16.02	7.08
								325376 91	38759.41	16.02	7.09
		BUILD NG	x	0		9 00	r	325411 84	38730.41	15.71	6.71
								325439.72	38743.19	15.71	6.71
								325445.15	38731.47	15.71	6.71
								325417.19	38718.65	15.71	6.71
		BUILD NG	x	0		9 00	r	325350 57	38797.95	16.01	7.01
								325359 96	38802.63	16.01	6.90
								325361 25	38800.05	16.01	6.88
								325363 30	38801.07	16.01	6.82
								325365 82	38796.01	16.01	6.82
								325367 61	38796.91	16.01	6.77
								325369.10	38793.92	16.01	6.78
								325355 87	38787.32	16.01	7.01
		TANK	x	0		14 60	r	327566.17	37283.57	23.44	8.84
								327565.77	37288.96	23.44	8.84
								327564 58	37294.23	23.44	8.84
								327562 63	37299.27	23.44	8.84
								327559 95	37303.97	23.44	8.87
								327556 61	37308.22	23.44	8.92
								327552 68	37311.93	23.44	8.98
								327548 25	37315.02	23.44	9.02
								327543.41	37317.43	23.44	9.03
								327538 27	37319.10	23.44	9.03
								327532 94	37319.99	23.44	9.02
								327527 53	37320.08	23.44	9.01
								327522.17	37319.38	23.44	8.99
								327516 97	37317.90	23.44	8.96
								327512 05	37315.66	23.44	8.93
								327507 51	37312.72	23.44	8.90
								327503.46	37309.15	23.44	8.87
								327499 97	37305.02	23.44	8.84
								327497.13	37300.42	23.44	8.84
								327495 00	37295.45	23.44	8.84
								327493 63	37290.22	23.44	8.81
								327493 04	37284.85	23.44	8.79
								327493 25	37279.45	23.44	8.77
								327494 25	37274.14	23.44	8.75
								327496 03	37269.03	23.44	8.73
								327498 54	37264.24	23.44	8.71
								327501.72	37259.88	23.44	8.69
								327505 52	37256.03	23.44	8.69
								327509 84	37252.78	23.44	8.70
								327514 59	37250.21	23.44	8.72
								327519 67	37248.36	23.44	8.75
								327524 97	37247.28	23.44	8.79
								327530 37	37247.00	23.44	8.83
								327535.75	37247.51	23.44	8.84
								327541 00	37248.81	23.44	8.84
								327546 00	37250.87	23.44	8.84
								327550 63	37253.65	23.44	8.84
								327554 81	37257.08	23.44	8.84
								327558.44	37261.08	23.44	8.94
								327561.44	37265.58	23.44	8.84
								327563.74	37270.47	23.44	8.84
								327565 30	37275.65	23.44	8.84
								327566 08	37281.00	23.44	8.84
		TANK	x	0		14 60	r	327467.49	37331.55	23.52	8.92
								327467 09	37336.94	23.52	8.95
								327465 90	37342.21	23.52	8.97

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327463 95	37347.25	23.52	8.99
								327461 27	37351.95	23.52	9.00
								327457 93	37356.20	23.52	9.00
								327454 00	37359.92	23.52	9.00
								327449 57	37363.01	23.52	9.00
								327444.73	37365.42	23.52	9.00
								327439 59	37367.08	23.52	8.99
								327434 26	37367.97	23.52	8.99
								327428 85	37368.07	23.52	8.98
								327423.49	37367.37	23.52	8.94
								327418 29	37365.88	23.52	8.90
								327413 37	37363.65	23.52	8.85
								327408 83	37360.71	23.52	8.84
								327404.78	37357.14	23.52	8.84
								327401 29	37353.01	23.52	8.84
								327398.45	37348.41	23.52	8.84
								327396 32	37343.44	23.52	8.84
								327394 95	37338.21	23.52	8.84
								327394 36	37332.84	23.52	8.84
								327394 57	37327.43	23.52	8.84
								327395 57	37322.12	23.52	8.81
								327397 35	37317.02	23.52	8.80
								327399 86	37312.23	23.52	8.79
								327403 04	37307.86	23.52	8.78
								327406 84	37304.01	23.52	8.77
								327411.16	37300.77	23.52	8.77
								327415 91	37298.19	23.52	8.76
								327420 99	37296.34	23.52	8.75
								327426 29	37295.27	23.52	8.75
								327431 69	37294.98	23.52	8.75
								327437 07	37295.50	23.52	8.76
								327442 32	37296.80	23.52	8.77
								327447 32	37298.86	23.52	8.78
								327451 95	37301.63	23.52	8.80
								327456.13	37305.06	23.52	8.82
								327459.76	37309.07	23.52	8.84
								327462.76	37313.57	23.52	8.84
								327465 06	37318.46	23.52	8.86
								327466 62	37323.63	23.52	8.89
								327467.40	37328.98	23.52	8.91
		TANK	x	0		14 60	r	327424 84	37229.90	23.03	8.43
								327424.44	37235.29	23.03	8.47
								327423 25	37240.56	23.03	8.51
								327421 29	37245.60	23.03	8.53
								327418 62	37250.30	23.03	8.53
								327415 28	37254.55	23.03	8.53
								327411 35	37258.26	23.03	8.55
								327406 92	37261.36	23.03	8.56
								327402 08	37263.76	23.03	8.57
								327396 94	37265.43	23.03	8.56
								327391 60	37266.32	23.03	8.54
								327386 20	37266.41	23.03	8.53
								327380 84	37265.71	23.03	8.53
								327375 64	37264.23	23.03	8.52
								327370.72	37261.99	23.03	8.50
								327366.18	37259.06	23.03	8.47
								327362.12	37255.48	23.03	8.44
								327358 64	37251.35	23.03	8.41
								327355 80	37246.75	23.03	8.37
								327353 67	37241.78	23.03	8.34
								327352 30	37236.56	23.03	8.30
								327351.71	37231.18	23.03	8.27

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327351 92	37225.78	23.03	8.24
								327352 92	37220.47	23.03	8.23
								327354.70	37215.36	23.03	8.23
								327357 20	37210.57	23.03	8.23
								327360 39	37206.21	23.03	8.22
								327364.19	37202.36	23.03	8.21
								327368 51	37199.11	23.03	8.20
								327373 26	37196.54	23.03	8.21
								327378 34	37194.69	23.03	8.22
								327383 64	37193.61	23.03	8.20
								327389 04	37193.33	23.03	8.19
								327394.42	37193.84	23.03	8.20
								327399 67	37195.14	23.03	8.22
								327404 66	37197.20	23.03	8.23
								327409 30	37199.98	23.03	8.23
								327413.48	37203.41	23.03	8.23
								327417.11	37207.41	23.03	8.25
								327420.11	37211.91	23.03	8.30
								327422.41	37216.80	23.03	8.33
								327423 97	37221.98	23.03	8.37
								327424.75	37227.33	23.03	8.41
		TANK	x	0		14 60	r	327622 35	37134.23	23.08	8.48
								327621 95	37139.63	23.08	8.53
								327620.76	37144.90	23.08	8.59
								327618 80	37149.94	23.08	8.64
								327616.13	37154.64	23.08	8.69
								327612.79	37158.89	23.08	8.73
								327608 86	37162.60	23.08	8.77
								327604.43	37165.69	23.08	8.80
								327599 59	37168.10	23.08	8.83
								327594.44	37169.77	23.08	8.82
								327589.11	37170.66	23.08	8.77
								327583.71	37170.75	23.08	8.69
								327578 35	37170.05	23.08	8.58
								327573.15	37168.57	23.08	8.52
								327568 23	37166.33	23.08	8.49
								327563 69	37163.39	23.08	8.46
								327559 63	37159.82	23.08	8.43
								327556.15	37155.69	23.08	8.39
								327553 31	37151.09	23.08	8.35
								327551.18	37146.12	23.08	8.31
								327549 80	37140.89	23.08	8.27
								327549 22	37135.52	23.08	8.23
								327549.43	37130.12	23.08	8.23
								327550.43	37124.81	23.08	8.21
								327552 21	37119.70	23.08	8.17
								327554.71	37114.91	23.08	8.14
								327557 90	37110.55	23.08	8.12
								327561.70	37106.70	23.08	8.10
								327566 02	37103.45	23.08	8.09
								327570.77	37100.88	23.08	8.09
								327575 85	37099.03	23.08	8.10
								327581.15	37097.95	23.08	8.10
								327586 55	37097.67	23.08	8.11
								327591 93	37098.18	23.08	8.11
								327597.17	37099.48	23.08	8.12
								327602.17	37101.54	23.08	8.12
								327606 81	37104.32	23.08	8.11
								327610 99	37107.75	23.08	8.17
								327614 62	37111.75	23.08	8.23
								327617 62	37116.25	23.08	8.28
								327619 92	37121.14	23.08	8.34

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327621.48	37126.32	23.08	8.39
								327622 26	37131.67	23.08	8.45
		TANK	x	0		14 60	r	327513 86	37178.67	22.97	8.37
								327513.46	37184.06	22.97	8.40
								327512 27	37189.33	22.97	8.44
								327510 32	37194.37	22.97	8.47
								327507 64	37199.07	22.97	8.49
								327504 30	37203.32	22.97	8.48
								327500 37	37207.04	22.97	8.47
								327495 94	37210.13	22.97	8.46
								327491.10	37212.53	22.97	8.46
								327485 96	37214.20	22.97	8.47
								327480 63	37215.09	22.97	8.47
								327475 22	37215.19	22.97	8.47
								327469 86	37214.48	22.97	8.46
								327464 66	37213.00	22.97	8.43
								327459.74	37210.76	22.97	8.41
								327455 20	37207.83	22.97	8.38
								327451.15	37204.26	22.97	8.35
								327447 66	37200.12	22.97	8.32
								327444 82	37195.52	22.97	8.29
								327442 69	37190.56	22.97	8.26
								327441 32	37185.33	22.97	8.24
								327440.73	37179.95	22.97	8.23
								327440 94	37174.55	22.97	8.23
								327441 94	37169.24	22.97	8.20
								327443.72	37164.14	22.97	8.18
								327446 23	37159.35	22.97	8.16
								327449.41	37154.98	22.97	8.15
								327453 21	37151.13	22.97	8.15
								327457 53	37147.88	22.97	8.15
								327462 28	37145.31	22.97	8.15
								327467 36	37143.46	22.97	8.15
								327472 66	37142.39	22.97	8.16
								327478 06	37142.10	22.97	8.17
								327483.44	37142.62	22.97	8.17
								327488 69	37143.92	22.97	8.18
								327493 68	37145.98	22.97	8.19
								327498 32	37148.75	22.97	8.21
								327502 50	37152.18	22.97	8.23
								327506.13	37156.19	22.97	8.23
								327509.13	37160.68	22.97	8.24
								327511.43	37165.57	22.97	8.28
								327512 99	37170.75	22.97	8.33
								327513.77	37176.10	22.97	8.36
		CS-CURB-VERT	x	0		15 00	r	327289 33	37411.42	24.12	9.12
								327277 56	37391.82	24.12	8.93
								327260 57	37402.02	24.12	8.96
								327195 52	37293.72	24.12	8.23
								327078 86	37363.79	24.12	8.28
								327082 07	37369.15	24.12	8.31
								327015.44	37409.17	24.12	8.39
								327023 29	37422.23	24.12	8.46
								327009.70	37430.39	24.12	8.49
								327035.44	37473.24	24.12	8.74
								327049 03	37465.08	24.12	8.71
								327082.77	37521.26	24.12	8.96
								327140 34	37486.68	24.12	9.02
								327151 21	37504.78	24.12	9.11
								327155 22	37502.37	24.12	9.11
								327153.76	37499.95	24.12	9.10
								327167.18	37491.90	24.12	9.10

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327164 04	37486.67	24.12	9.07
		0	x	0		8 00	r	326132 68	37846.45	17.77	9.77
								326113 34	37855.38	17.77	10.24
								326107.18	37842.11	17.77	8.84
								326126 55	37833.16	17.77	9.45
								326132 68	37846.45	17.77	9.77
		0	x	0		8 00	r	326135 98	37844.93	17.73	9.73
								326129 85	37831.64	17.73	9.45
								326149 22	37822.70	17.73	9.45
								326155 36	37836.02	17.73	9.69
								326135 98	37844.93	17.73	9.73
		0	x	0		8 00	r	328737 53	36748.37	15.20	7.20
								328692.15	36757.01	15.20	7.20
								328659.74	36627.46	15.20	7.20
								328709.44	36617.74	15.20	7.20
								328737 53	36746.21	15.20	7.20
		0	x	0		5 00	r	328643.75	36898.73	12.62	7.62
								328647 38	36918.84	12.62	7.92
								328640 29	36919.83	12.62	7.92
								328636 33	36898.23	12.62	7.80
								328643.75	36897.41	12.62	7.62
		0	x	0		5 00	r	328655 63	36913.40	12.92	7.92
								328654 97	36910.10	12.92	7.92
								328648 87	36911.09	12.92	7.92
								328646 56	36896.42	12.92	7.62
								328664 38	36893.45	12.92	8.11
								328666.19	36906.31	12.92	7.94
								328661 90	36907.30	12.92	7.92
								328661 90	36911.59	12.92	7.92
								328656.13	36912.58	12.92	7.92
		0	x	0		5 00	r	328677 25	36911.75	13.03	8.03
								328671.14	36912.41	13.03	7.94
								328666.19	36892.79	13.03	8.13
								328674.44	36891.31	13.03	7.85
								328677 58	36911.75	13.03	8.02
		0	x	0		5 00	r	328690 28	36912.08	12.74	7.74
								328685 83	36905.65	12.74	7.91
								328699 85	36895.27	12.74	7.30
								328704 31	36903.67	12.74	7.32
								328689 95	36912.08	12.74	7.75
		0	x	0		5 00	r	328748 37	36571.26	12.72	7.72
								328748.10	36576.04	12.72	7.54
								328739 85	36576.58	12.72	7.94
								328740.12	36570.19	12.72	7.62
								328747 57	36570.46	12.72	7.74
		0	x	0		5 00	r	328758.48	36577.11	12.59	7.59
								328759 01	36585.08	12.59	7.68
								328750.77	36585.35	12.59	7.73
								328750 23	36576.58	12.59	7.48
								328758 22	36575.25	12.59	7.67
		0	x	0		5 00	r	328761 94	36591.20	12.30	7.30
								328761 94	36600.24	12.30	7.20
								328754.76	36601.04	12.30	7.20
								328753.16	36589.87	12.30	7.43
								328761.41	36590.40	12.30	7.35
		0	x	0		5 00	r	328769 39	36602.37	12.20	7.20
								328770.46	36614.07	12.20	7.20
								328760 34	36613.27	12.20	7.20
								328759 28	36604.50	12.20	7.20
								328769 39	36602.10	12.20	7.20
		0	x	0		5 00	r	328771.79	36619.65	12.20	7.20
								328772 85	36632.15	12.20	7.20

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328763 54	36632.95	12.20	7.20
								328762.74	36620.45	12.20	7.20
								328771 52	36619.92	12.20	7.20
		TANK	x	0		14 60	r	327664 85	37235.58	23.44	8.84
								327664.45	37240.97	23.44	8.84
								327663 26	37246.24	23.44	8.84
								327661 31	37251.28	23.44	8.84
								327658 63	37255.98	23.44	8.84
								327655 29	37260.23	23.44	8.84
								327651 36	37263.95	23.44	8.84
								327646 93	37267.04	23.44	8.84
								327642 09	37269.45	23.44	8.84
								327636 95	37271.11	23.44	8.84
								327631 62	37272.00	23.44	8.84
								327626 21	37272.10	23.44	8.84
								327620 85	37271.40	23.44	8.84
								327615 65	37269.91	23.44	8.84
								327610.73	37267.68	23.44	8.84
								327606.19	37264.74	23.44	8.84
								327602.14	37261.17	23.44	8.84
								327598 65	37257.04	23.44	8.84
								327595 81	37252.44	23.44	8.84
								327593 68	37247.47	23.44	8.84
								327592 31	37242.24	23.44	8.84
								327591.72	37236.87	23.44	8.84
								327591 93	37231.46	23.44	8.84
								327592 93	37226.15	23.44	8.84
								327594.71	37221.05	23.44	8.84
								327597 22	37216.26	23.44	8.84
								327600.40	37211.89	23.44	8.84
								327604 20	37208.04	23.44	8.84
								327608 52	37204.80	23.44	8.84
								327613 27	37202.22	23.44	8.84
								327618 35	37200.37	23.44	8.84
								327623 65	37199.30	23.44	8.84
								327629 05	37199.01	23.44	8.84
								327634.43	37199.53	23.44	8.84
								327639 68	37200.83	23.44	8.84
								327644 67	37202.89	23.44	8.84
								327649 31	37205.66	23.44	8.84
								327653.49	37209.09	23.44	8.84
								327657.12	37213.10	23.44	8.84
								327660.12	37217.60	23.44	8.84
								327662.42	37222.49	23.44	8.84
								327663 98	37227.66	23.44	8.84
								327664.76	37233.01	23.44	8.84
		0	x	0		6 00	r	325866 04	37985.39	13.92	7.92
								325860 69	37967.91	13.92	7.92
								325892.75	37958.09	13.92	7.92
								325898.10	37975.58	13.92	7.92
								325866 04	37985.39	13.92	7.92
		0	x	0		6 00	r	328979 91	36448.89	14.53	8.53
								329017 87	36448.89	14.53	8.53
								329017 87	36396.98	14.53	8.53
								328979 91	36396.98	14.53	8.53
		0	x	0		6 00	r	328989.10	36377.41	14.53	8.53
								329012 67	36377.41	14.53	8.53
								329012 67	36342.27	14.53	8.53
								328989.10	36342.27	14.53	8.53
		0	x	0		6 00	r	329051 03	36467.66	14.53	8.53
								329144.12	36467.66	14.53	8.53
								329144.12	36328.69	14.53	8.53

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								329051 03	36328.69	14.53	8.53
		0	x	0		6 00	r	328968 32	36300.94	14.53	8.53
								328996 69	36300.94	14.53	8.53
								328996 69	36189.52	14.53	8.53
								328968 32	36189.52	14.53	8.66
		0	x	0		6 00	r	329041.44	36292.95	14.53	8.53
								329141 32	36292.95	14.53	8.53
								329141 32	36159.57	14.53	8.53
								329041.44	36159.57	14.53	8.53
		0	x	0		6 00	r	328746 52	36349.25	13.32	7.32
								328855 65	36349.25	13.32	8.02
								328855 65	36303.00	13.32	8.00
								328746 52	36303.00	13.32	7.92
		0	x	0		6 00	r	328669 55	36485.80	15.75	9.75
								328576 30	36485.80	15.75	9.68
								328576 30	36407.61	15.75	9.75
								328563 33	36328.17	15.75	9.57
								328640.43	36328.17	15.75	8.75
								328669 55	36485.80	15.75	9.75
		0	x	0		6 00	r	328820.40	36096.62	15.16	9.16
								328860.15	36096.62	15.16	9.75
								328860.15	36071.63	15.16	9.45
								328820.40	36071.63	15.16	9.14
		0	x	0		6 00	r	329217 29	36039.21	14.53	8.53
								329267 59	36039.21	14.53	8.53
								329267 59	35978.47	14.53	8.53
								329217 29	35978.47	14.53	9.99
		0	x	0		6 00	r	329139.75	35889.44	16.06	10.06
								329262 35	35889.44	16.06	12.39
								329262 35	35843.36	16.06	10.36
								329139.75	35843.36	16.06	9.37
		0	x	0		6 00	r	329186 90	35826.60	16.36	10.36
								329267 59	35826.60	16.36	10.36
								329267 59	35758.52	16.36	10.06
								329186 90	35758.52	16.36	10.36
		0	x	0		6 00	r	329321 03	35853.83	21.64	15.64
								329288 54	35793.08	21.64	10.36
								329371 33	35753.28	21.64	11.37
								329398 57	35754.33	21.64	12.20
								329419 53	35798.32	21.64	21.36
								329324.17	35851.73	21.64	15.83

Attachment 5

EX-0011-000067-PCE

Report (WithTrain_Hour.cna)

TSVEDT
Vancouver, Washington
Modelling Input and Results
Hourly Train Scenario

Calculation Configuration

Configuration	
Parameter	Value
General	
Country	(user defined)
Max. Error (dB)	0.00
Max. Search Radius (m)	5000.00
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (m)	1000.00
Min. Length of Section (m)	1.00
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Reference Time Day (min)	960.00
Reference Time Night (min)	480.00
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	0.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rvcr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613)	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
	Dz with limit (20/25)
Barrier Coefficients C1,2,3	3.0 20.0 0.0

Configuration	
Parameter	Value
Temperature (°C)	10
rel. Humidity (%)	70
Ground Absorption G	0.00
Wind Speed for Dir. (m/s)	3.0
Roads (TNM)	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	

Receptors

Name	M.	ID	Level Lr		Limit. Value		Land Use			Height		Coordinates		
			Day	Night	Day	Night	Type	Auto	Noise Type			X	Y	Z
			(dBA)	(dBA)	(dBA)	(dBA)				(m)		(m)	(m)	(m)
CCCF_SW			50.0	50 0	0.0	0 0		x	Total	2.00	r	326438.08	37200 98	12.21
CCCF_SE			45.7	45.7	0.0	0 0		x	Total	2.00	r	326561.78	37201 59	12.42
tidewater			53.6	53 6	0.0	0 0		x	Total	4.00	r	325701.64	37933.12	12.86
CCPU			62.0	62 0	0.0	0 0		x	Total	2.00	r	326477.03	37538 87	11.75
ResNW			34.4	34.4	0.0	0 0		x	Total	4.00	r	325364.96	38743 20	11.32
ResNE1			45.5	45 5	0.0	0 0		x	Total	4.00	r	328633.84	36891 00	11.70
ResNE2			49.2	49 2	0.0	0 0		x	Total	4.00	r	328731.73	36582 59	12.01
ResSE			57.3	57 3	0.0	0 0		x	Total	2.00	r	329143.74	36055 39	10.53
Subaru			70.3	70 3	0.0	0 0		x	Total	1.50	r	326874.61	36902 52	10.03

Partial Levels

Source			Partial Level																	
Name	M.	ID	CCCF_SW		CCCF_SE		tidewater		CCPU		ResNW		ResNE1		ResNE2		ResSE		Subaru	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
xfrmr1		xfrmr1	22.6	22 6	10.5	10.5	27.8	27.8	21 6	21.6	13 0	13.0	4 6	4.6	4.1	4.1	2.2	2 2	16.1	16.1
xfrmr2		xfrmr2	22.7	22.7	10.5	10.5	27.7	27.7	21.4	21.4	12 8	12.8	4.4	4.4	4.0	4.0	2.2	2 2	16.2	16 2
compressor		comp	3.3	3 3	-12.8	-12 8	8.5	8.5	-2.0	-2.0	-11 0	-11.0	-21.1	-21.1	-21.4	-21.4	-22.7	-22.7	-5.2	-5 2
xfrmroffice		xfrmr	20.5	20 5	8.2	8 2	28.8	28.8	26 2	26.2	3.7	3.7	5.4	5.4	4.4	4.4	1.8	1 8	15.0	15 0
tank xfrmr		xfrmr	3.9	3 9	18.2	18.2	7.6	7.6	-1.2	-1.2	6 9	6.9	2 6	2.6	1.9	1.9	-1.4	-1.4	21.0	21 0
tank pumppit		pump	12.8	12 8	27.9	27.9	12.5	12.5	9.1	9.1	12.7	12.7	20 9	20.9	18.2	18.2	14.4	14.4	30.7	30.7
dockvaporblowerunit1		fan	29.4	29.4	30.9	30.9	18.1	18.1	24.7	24.7	13.4	13.4	16 3	16.3	15.6	15.6	12.8	12 8	55.9	55 9
dock vbu2		vbu	29.4	29.4	30.9	30.9	18.1	18.1	24.7	24.7	13.4	13.4	16 3	16.3	15.6	15.6	12.8	12 8	55.9	55 9
loco1		loco	36.4	36.4	25.5	25.5	27.8	27.8	35.1	35.1	3 0	3.0	16 3	16.3	15.4	15.4	13.0	13 0	27.9	27 9
loco2		loco	36.0	36 0	25.3	25.3	28.0	28.0	45.4	45.4	3.1	3.1	-0 6	-0.6	15.3	15.3	12.9	12 9	27.7	27.7
rear idling loco		locoidle	38.3	38 3	27.8	27.8	26.1	26.1	49 5	49.5	19 5	19.5	11 9	11.9	9.0	9.0	8.6	8 6	23.4	23.4
switch		switch	40.4	40.4	28.9	28.9	30.6	30.6	60 3	60.3	22 2	22.2	18.7	18.7	17.8	17.8	15.4	15.4	30.9	30 9
mvcustack1		stack	0.5	0 5	3.9	3 9	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10.7	-10.7	-11.4	-11.4	-14.1	-14.1	45.5	45 5
mvcustack2		stack	0.6	0 6	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10.7	-10.7	-11.4	-11.4	-14.1	-14.1	45.0	45 0
mvcustack3		stack	0.7	0.7	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10.7	-10.7	-11.4	-11.4	-14.1	-14.1	44.5	44 5
mvcustack4		stack	0.8	0 8	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10.7	-10.7	-11.4	-11.4	-14.1	-14.1	43.9	43 9
mvcustack5		stack	0.4	0.4	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10 6	-10.6	-11.4	-11.4	-14.1	-14.1	44.7	44.7
mvcustack6		stack	0.5	0 5	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10 6	-10.6	-11.4	-11.4	-14.1	-14.1	44.2	44 2
mvcustack7		stack	0.6	0 6	3.8	3 8	-9.4	-9.4	-1.7	-1.7	-14 0	-14.0	-10 6	-10.6	-11.4	-11.4	-14.1	-14.1	43.8	43 8
mvcustack8		stack	0.7	0.7	3.8	3 8	-9.4	-9.4	-1.8	-1.8	-14 0	-14.0	-10.7	-10.7	-11.4	-11.4	-14.1	-14.1	43.3	43 3
mvcublower1		blower	14.5	14 5	20.2	20.2	7.7	7.7	15.1	15.1	3 0	3.0	6.4	6.4	5.7	5.7	2.9	2 9	63.2	63 2
mvcublower2		blower	16.6	16 6	20.2	20.2	7.7	7.7	15.1	15.1	3 0	3.0	6.4	6.4	5.7	5.7	2.9	2 9	61.9	61 9
mvcublower3		blower	16.8	16 8	20.2	20.2	7.7	7.7	15.1	15.1	3 0	3.0	6.4	6.4	5.7	5.7	2.9	2 9	60.7	60.7
mvcublower4		blower	17.0	17 0	20.1	20.1	7.7	7.7	15.1	15.1	3 0	3.0	6.4	6.4	5.7	5.7	2.9	2 9	59.6	59 6
mvcublower5		blower	14.4	14.4	20.1	20.1	7.7	7.7	15.1	15.1	3 0	3.0	6 5	6.5	5.7	5.7	2.9	2 9	61.1	61.1
mvcublower6		blower	16.5	16 5	20.1	20.1	7.7	7.7	15.1	15.1	3 0	3.0	6 5	6.5	5.7	5.7	2.9	2 9	60.2	60 2
mvcublower7		blower	16.7	16.7	20.1	20.1	7.7	7.7	15.1	15.1	3 0	3.0	6 5	6.5	5.7	5.7	2.9	2 9	59.3	59 3
mvcublower8		blower	16.9	16 9	20.1	20.1	7.7	7.7	15.1	15.1	3 0	3.0	6.4	6.4	5.7	5.7	2.9	2 9	58.5	58 5
Departing		V-RA L-TRACK-CL	20.4	20.4	29.2	29.2	21.8	21.8	22 2	22.2	17 8	17.8	39 2	39.2	41.9	41.9	43.3	43 3	34.9	34 9

Source			Partial Level																	
Name	M.	ID	CCCF_SW		CCCF_SE		tidewater		CCPU		ResNW		ResNE1		ResNE2		ResSE		Subaru	
			Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
Arriving		V-RA L-TRACK-CL	48.4	48.4	43.2	43.2	48.4	48.4	51 2	51.2	31.1	31.1	39 6	39.6	41.9	41.9	43.7	43.7	45.8	45 8
Unloading		V-RA L-TRACK-CL	34.1	34.1	38.6	38.6	51.9	51.9	54 3	54.3	23 6	23.6	21 5	21.5	19.4	19.4	16.6	16 6	41.1	41.1
horn		V-RA L-TRACK-CL	23.0	23 0	30.2	30.2	27.9	27.9	29 2	29.2	26 2	26.2	38 3	38.3	44.9	44.9	47.6	47 6	30.6	30 6
horn		V-RA L-TRACK-CL	23.9	23 9	30.0	30.0	26.9	26.9	28 3	28.3	25 9	25.9	40 5	40.5	43.4	43.4	56.4	56.4	29.5	29 5

Sources

Noise Source Library

Name	D	Type	Oktave Spectrum (dB)												Source
			Weight.	31.5	63	125	250	500	1000	2000	4000	8000	A	lin	
vcustack	vcustk	Lw		90.9	92.8	82.4	71.8	71 5	70.8	73 5	71.0	65.7	78.9	95.3	
Aux Xfrmr	auxxfrmr	Lw		95.0	95.0	95.0	97.0	95 0	87.0	80 0	73.0	66.0	94.7	102.6	
Compressor	Com	Lw		72.0	72.0	71.0	69.0	69 0	71.0	75 0	74.0	70.0	80.0	81.4	
Induced Draft Fan	ID	Lw		95.6	95.4	94.3	95.8	85.4	81.2	74 0	70.2	68.3	89.8	101.5	
Blower	blower	Lw		105.8	105.6	104 5	106.0	95 6	91.4	84 2	80.4	78.5	100.0	111.7	
unload pump	Pump	Lw		92.4	93.0	99.2	99.3	100 0	101.5	100.7	96.8	86.2	106.2	107.9	
switchmove	switch2	Lw		118.2	123.9	110 0	103.7	102.7	100.7	99.1	97.4	94.7	107.2	125.2	
IdlingLoco	idleloco	Lw		117.0	121.2	108 5	101.3	101 6	97.0	95.7	96.3	96.6	105.1	122.9	

Point Sources

Name	M.	D	Result. PWL			Lw / Li			Correction			Sound Reduction		Attenuation	Operating Time			K0	Freq.	Direct.	Height		Coordinates		
			Day	Evening	Night	Type	Value	norm.	Day	Evening	Night	R	Area		Day	Special	Night						X	Y	Z
			(dBA)	(dBA)	(dBA)			dB(A)	dB(A)	dB(A)	dB(A)		(m^2)		(min)	(min)	(min)	(dB)	(Hz)		(m)		(m)	(m)	(m)
xfrmr1		xfrmr1	94.7	94.7	94.7	Lw	auxxfrmr		0 0	0.0	0 0							0.0		(none)	3 00	r	326152.93	37690.20	12.14
xfrmr2		xfrmr2	94.7	94.7	94.7	Lw	auxxfrmr		0 0	0.0	0 0							0.0		(none)	3 00	r	326158.09	37686.81	12.14
compressor		comp	80.0	80.0	80.0	Lw	Com		0 0	0.0	0 0							0.0		(none)	2 00	r	326164.38	37681.02	11.14
xfrmroffice		xfrmr	94.7	94.7	94.7	Lw	auxxfrmr		0 0	0.0	0 0							0.0		(none)	3 00	r	326126.08	37830.03	12.45
tank xfrmr		xfrmr	94.7	94.7	94.7	Lw	auxxfrmr		0 0	0.0	0 0							0.0		(none)	3 00	r	327374.42	37361.23	11.86
tank pumppit		pump	106.2	106.2	106.2	Lw	Pump		0 0	0.0	0 0							0.0		(none)	2 00	r	327346.90	37304.63	8.00
dockvaporblowerunit1		fan	100.0	100.0	100.0	Lw	blower		0 0	0.0	0 0							0.0		(none)	1 00	r	326815.13	36882.98	9.23
dock vbu2		vbu	100.0	100.0	100.0	Lw	blower		0 0	0.0	0 0							0.0		(none)	1 00	r	326815.32	36882.86	9.23
loco1		loco	105.1	105.1	105.1	Lw	idleloco		0 0	0.0	0 0							0.0		(none)	3 00	r	326409.20	37540.74	12.21
loco2		loco	105.1	105.1	105.1	Lw	idleloco		0 0	0.0	0 0							0.0		(none)	3 00	r	326395.06	37550.81	12.41
rear idling loco		locoidle	105.1	105.1	105.1	Lw	idleloco		0 0	0.0	0 0							0.0		(none)	3 60	r	326477.08	37401.97	10.92
switch		switch	107.2	107.2	107.2	Lw	switch2		0 0	0.0	0 0							0.0		(none)	3 00	r	326448.85	37489.79	11.71
mvcustack1		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326875.78	36896.72	15.89
mvcustack2		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326875.18	36895.65	15.86
mvcustack3		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326874.59	36894.58	15.86
mvcustack4		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326873.93	36893.42	15.86
mvcustack5		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326877.77	36895.63	15.86
mvcustack6		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326877.18	36894.54	15.86
mvcustack7		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326876.61	36893.45	15.86
mvcustack8		stack	78.9	78.9	78.9	Lw	vcustk		0 0	0.0	0 0							0.0		Stack <10ft diam.	7 63	r	326876.04	36892.36	15.86
mvcublower1		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326875.77	36896.64	9.75
mvcublower2		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326875.09	36895.60	9.73
mvcublower3		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326874.63	36894.53	9.73
mvcublower4		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326874.03	36893.45	9.73
mvcublower5		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326877.88	36895.62	9.73
mvcublower6		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326877.28	36894.47	9.73
mvcublower7		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326876.69	36893.41	9.73
mvcublower8		blower	89.8	89.8	89.8	Lw	ID		0 0	0.0	0 0							0.0		(none)	1 50	r	326876.01	36892.32	9.73

Railway

Name	M.	ID	Lw'		Train Class							Correct.	Vmax
			Day	Night	Type	Number of Trains			v	Lw,i' (dBA)		Track	
			(dBA)	(dBA)		Day	Evening	Night	(km/h)	Day	Night	(dB)	(km/h)
Departing		V-RAIL-TRACK-CL	62.1	62.1	FRA_CONV_FRE_LOC	45	0	27	16	60.1	60.1	0.0	
					FRA_CONV_FRE_CAR	15	0	9	16	57.7	57.7		
Arriving		V-RAIL-TRACK-CL	62.1	62.1	FRA_CONV_FRE_LOC	45	0	27	16	60.1	60.1	0.0	
					FRA_CONV_FRE_CAR	15	0	9	16	57.7	57.7		
Unloading		V-RAIL-TRACK-CL	58.2	58.2	FRA_CONV_FRE_LOC	45	0	27	8	57.1	57.1	0.0	
					FRA_CONV_FRE_CAR	15	0	9	8	51.7	51.7		
horn		V-RAIL-TRACK-CL	78.4	78.4	FRA_HORN	15	0	9	16	78.4	78.4	0.0	
horn		V-RAIL-TRACK-CL	78.4	78.4	FRA_HORN	15	0	9	16	78.4	78.4	0.0	

Obstacles

Buildings

Name	M.	D	RB	Residents	Absorption	Height	
						Begin	
						(m)	
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		5 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		5 00	r
		BUILD NG	x	0		4 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		4 00	r
		BUILD NG	x	0		9 00	r

Name	M.	D	RB	Residents	Absorption	Height	
						Begin	
						(m)	
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r

Name	M.	D	RB	Residents	Absorption	Height	
						Begin	
						(m)	
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		BUILD NG	x	0		9 00	r
		TANK	x	0		14 60	r
		TANK	x	0		14 60	r
		TANK	x	0		14 60	r
		TANK	x	0		14 60	r
		TANK	x	0		14 60	r
		CS-CURB-VERT	x	0		15 00	r
		0	x	0		8 00	r
		0	x	0		8 00	r
		0	x	0		8 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		0	x	0		5 00	r
		TANK	x	0		14 60	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r
		0	x	0		6 00	r

Building Geometry

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
		BUILD NG	x	0		9 00	r	328257 88	36804.51	18.41	9.41
								328291 99	36752.84	18.41	9.45
								328266 21	36735.87	18.41	9.21
								328238.45	36778.03	18.41	8.84
								328207 51	36825.07	18.41	9.01
								328233.16	36841.94	18.41	9.29
		BUILD NG	x	0		9 00	r	328156 02	36866.63	17.84	8.84
								328168 37	36875.08	17.84	8.84
								328171 92	36869.89	17.84	8.84
								328180 87	36876.02	17.84	8.84
								328182 97	36872.96	17.84	8.84
								328185 82	36874.91	17.84	8.85
								328183 85	36877.78	17.84	8.84
								328194 02	36884.74	17.84	8.96
								328201.44	36873.91	17.84	9.06
								328201.13	36874.01	17.84	9.05
								328205 36	36867.83	17.84	9.09
								328204.14	36866.99	17.84	9.07
								328211 23	36856.64	17.84	9.13
								328176 82	36833.07	17.84	8.84
								328157.13	36861.82	17.84	8.84
								328158 62	36862.84	17.84	8.84
		BUILD NG	x	0		9 00	r	328104 95	36944.21	17.74	8.74
								328130 38	36961.45	17.74	8.83
								328148.44	36934.66	17.74	8.84
								328159 59	36942.04	17.74	8.84
								328176 38	36917.38	17.74	8.75
								328165 27	36909.80	17.74	8.84
								328139 24	36893.58	17.74	8.82
		BUILD NG	x	0		9 00	r	328104 53	36776.87	17.54	8.54
								328067 33	36713.65	17.54	8.84
								328016 21	36743.66	17.54	8.26
								328014.40	36740.90	17.54	8.23
								328007 29	36745.06	17.54	8.23
								328008 88	36747.99	17.54	8.24
								327963.45	36774.73	17.54	8.84
								327961 90	36772.30	17.54	8.84
								327955 21	36776.31	17.54	8.84
								327956 65	36778.82	17.54	8.84
								327950 61	36782.49	17.54	8.84
								327948 68	36779.82	17.54	8.84
								327941.76	36784.00	17.54	8.81
								327943.17	36786.72	17.54	8.84
								327930 69	36794.02	17.54	8.84
								327929.13	36791.59	17.54	8.78
								327922 01	36795.75	17.54	8.68
								327923.45	36798.26	17.54	8.73
								327917 52	36801.85	17.54	8.65
								327915 88	36799.31	17.54	8.60
								327908.76	36803.47	17.54	8.23
								327910 09	36806.07	17.54	8.54
								327904.75	36809.54	17.54	8.29
								327903 06	36807.39	17.54	8.23
								327900 05	36809.40	17.54	8.23
								327900 02	36812.36	17.54	8.36
								327897 28	36813.98	17.54	8.40
								327895 64	36811.44	17.54	8.23
								327887.74	36816.03	17.54	8.53
								327889 36	36818.77	17.54	8.53
								327876 33	36826.13	17.54	8.53
								327931.40	36919.05	17.54	8.45
								327973.49	36893.85	17.54	8.53

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327940.44	36838.13	17.54	8.84
								327979.47	36815.34	17.54	8.84
								327981 96	36819.42	17.54	8.84
								327987 89	36816.02	17.54	8.84
								327985.42	36811.93	17.54	8.84
								328000 65	36803.02	17.54	8.84
								328004 59	36809.41	17.54	8.84
								328015 59	36802.93	17.54	8.84
								328016 67	36805.00	17.54	8.84
								328041 38	36790.82	17.54	8.84
								328039 85	36788.18	17.54	8.84
								328042.12	36787.12	17.54	8.84
								328038 27	36780.83	17.54	8.83
								328042 96	36778.22	17.54	8.81
								328045.12	36781.45	17.54	8.84
								328048 86	36779.23	17.54	8.82
								328046 62	36775.88	17.54	8.78
								328051 84	36772.31	17.54	8.84
								328067 50	36798.59	17.54	8.25
		BUILD NG	x	0		9 00	r	328017.42	36640.82	18.75	9.75
								328002.18	36615.83	18.75	9.99
								327990 31	36623.07	18.75	9.95
								327993 24	36627.86	18.75	9.95
								327993 82	36627.51	18.75	9.96
								327995 64	36630.49	18.75	9.93
								327993 52	36631.78	18.75	9.92
								327995.78	36635.49	18.75	9.88
								327997 89	36634.20	18.75	9.90
								328003.15	36642.82	18.75	9.77
								328002 27	36643.36	18.75	9.79
								328005 25	36648.24	18.75	9.75
		BUILD NG	x	0		9 00	r	327989 84	36656.81	18.59	9.59
								327976 95	36635.19	18.59	9.75
								327894 61	36684.32	18.59	8.84
								327907 50	36705.93	18.59	8.84
		BUILD NG	x	0		9 00	r	328065 00	36878.64	17.01	8.01
								328058 90	36868.17	17.01	8.17
								328022 21	36889.56	17.01	8.17
								328028 31	36900.03	17.01	8.06
		BUILD NG	x	0		9 00	r	328024.16	36899.21	17.11	8.11
								328019 26	36890.98	17.11	8.19
								327979 94	36914.37	17.11	8.12
								327984 84	36922.60	17.11	8.04
		BUILD NG	x	0		9 00	r	328123.70	36352.15	19.50	10.50
								328201 81	36303.72	19.50	10.36
								328182 67	36272.49	19.50	10.36
								328104 39	36320.80	19.50	10.36
		BUILD NG	x	0		9 00	r	328093.44	36389.33	19.36	10.36
								328163 25	36502.01	19.36	10.36
								328195 96	36481.84	19.36	10.12
								328126 05	36369.12	19.36	10.51
		BUILD NG	x	0		9 00	r	328312.14	36698.20	18.75	9.75
								328303.10	36606.88	18.75	9.75
								328259 97	36611.14	18.75	8.84
								328269 20	36702.23	18.75	9.45
		BUILD NG	x	0		5 00	r	328117 81	36729.04	14.14	9.14
								328141 90	36710.28	14.14	8.75
								328147 28	36702.06	14.14	9.14
								328144 39	36698.63	14.14	8.49
								328146 81	36694.83	14.14	9.14
								328140.14	36690.43	14.14	9.14
								328138 87	36692.24	14.14	9.14

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328129 83	36680.21	14.14	9.14
								328098.74	36704.65	14.14	9.14
		BUILD NG	x	0		9 00	r	328174.78	36795.25	18.13	9.13
								328233 50	36705.94	18.13	9.57
								328207 65	36688.75	18.13	9.75
								328174 52	36739.71	18.13	9.39
								328170 52	36737.06	18.13	9.45
								328160 97	36751.52	18.13	9.45
								328164.77	36754.05	18.13	9.45
								328148 81	36778.18	18.13	9.45
		BUILD NG	x	0		9 00	r	327474.12	36756.47	18.31	9.31
								327480 52	36767.37	18.31	9.14
								327486 36	36763.94	18.31	9.23
								327488 07	36766.86	18.31	9.18
								327499 65	36760.06	18.31	9.21
								327497 91	36757.11	18.31	9.25
								327505.44	36752.69	18.31	9.33
								327498 67	36741.16	18.31	9.45
								327490 98	36745.68	18.31	9.44
								327489 56	36743.25	18.31	9.45
								327478 09	36749.98	18.31	9.45
								327479 91	36753.07	18.31	9.41
		BUILD NG	x	0		9 00	r	327677 61	36715.90	18.45	9.45
								327692 84	36705.24	18.45	9.45
								327641 99	36632.59	18.45	9.45
								327626.73	36643.28	18.45	9.45
								327639.44	36661.44	18.45	9.45
								327637 02	36663.13	18.45	9.45
								327650 81	36682.84	18.45	9.45
								327653 27	36681.13	18.45	9.45
		BUILD NG	x	0		9 00	r	326924 55	37127.00	18.14	9.14
								326975 04	37212.58	18.14	9.11
								327014 90	37189.14	18.14	9.14
								327011 03	37182.57	18.14	8.75
								327013.10	37181.27	18.14	9.14
								327009 25	37174.38	18.14	9.45
								327006 85	37175.73	18.14	9.41
								326980.74	37130.22	18.14	9.14
								327006 33	37114.75	18.14	9.14
								326998.40	37101.15	18.14	9.14
								326972 36	37116.57	18.14	9.14
								326964.41	37103.51	18.14	9.14
		BUILD NG	x	0		9 00	r	326655.79	37614.64	18.45	9.45
								326641 98	37600.55	18.45	9.45
								326630 22	37612.07	18.45	9.45
								326644 03	37626.16	18.45	9.45
		BUILD NG	x	0		9 00	r	326631 08	37606.28	18.45	9.45
								326640 87	37596.80	18.45	9.45
								326636.74	37592.53	18.45	9.45
								326626 95	37602.01	18.45	9.45
		BUILD NG	x	0		9 00	r	326585 88	37495.59	18.52	9.52
								326519.71	37540.50	18.52	9.63
								326528.73	37553.78	18.52	9.48
								326536 03	37548.82	18.52	9.55
								326537.49	37550.96	18.52	9.53
								326588 68	37516.21	18.52	9.46
								326587 33	37514.22	18.52	9.47
								326595 00	37509.02	18.52	9.45
		BUILD NG	x	0		9 00	r	326475.18	37542.05	18.75	9.75
								326495 64	37572.13	18.75	9.75
								326495 82	37571.92	18.75	9.75
								326499.48	37577.30	18.75	9.75

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								326518 24	37564.54	18.75	9.75
								326507 80	37549.19	18.75	9.75
								326504 21	37551.64	18.75	9.75
								326490 57	37531.58	18.75	9.75
		BUILD NG	x	0		9 00	r	326606 38	37671.89	18.45	9.45
								326626 97	37651.56	18.45	9.45
								326619 89	37644.39	18.45	9.45
								326619 88	37644.72	18.45	9.45
								326627 09	37637.60	18.45	9.45
								326617 00	37627.38	18.45	9.45
								326617 08	37627.39	18.45	9.45
								326591 00	37600.98	18.45	9.45
								326582.77	37609.10	18.45	9.45
								326582.19	37608.52	18.45	9.45
								326581 33	37609.37	18.45	9.45
								326575 02	37602.99	18.45	9.45
								326577 57	37600.47	18.45	9.45
								326562 64	37585.35	18.45	9.45
								326555 56	37592.33	18.45	9.45
								326552 50	37589.23	18.45	9.45
								326546 36	37595.29	18.45	9.45
								326551 99	37600.99	18.45	9.45
								326547 53	37605.38	18.45	9.45
								326569 03	37627.16	18.45	9.45
								326565 58	37630.56	18.45	9.45
		BUILD NG	x	0		9 00	r	326369 00	37829.55	16.75	7.75
								326390 31	37810.92	16.75	7.91
								326385 05	37804.91	16.75	7.95
								326381 03	37808.42	16.75	7.92
								326381.42	37808.87	16.75	7.92
								326368 00	37820.60	16.75	7.91
								326367 59	37820.13	16.75	7.92
								326363.72	37823.51	16.75	7.92
		BUILD NG	x	0		9 00	r	327913.74	36996.00	17.41	8.41
								327883.15	37016.60	17.41	8.32
								327954 67	37122.79	17.41	8.53
								327985 26	37102.19	17.41	8.53
		BUILD NG	x	0		9 00	r	325614.71	38101.58	17.23	8.23
								325575 61	38050.49	17.23	8.23
								325530 51	38085.02	17.23	8.52
								325536.11	38092.34	17.23	8.47
								325498.18	38121.37	17.23	8.23
								325550 22	38189.36	17.23	8.23
								325589.70	38159.15	17.23	8.23
								325571.16	38134.92	17.23	8.23
		BUILD NG	x	0		9 00	r	328027 09	36289.05	19.36	10.36
								327994 85	36236.59	19.36	10.36
								327864 92	36316.73	19.36	10.06
								327897 28	36369.29	19.36	10.25
		BUILD NG	x	0		9 00	r	327839.12	36480.48	18.75	9.75
								327779.49	36377.23	18.75	9.65
								327739 54	36400.39	18.75	9.66
								327802.45	36508.75	18.75	9.48
								327813 58	36502.54	18.75	9.67
								327810 51	36497.19	18.75	9.75
		BUILD NG	x	0		9 00	r	327779.46	36548.30	17.84	8.84
								327739 67	36413.34	17.84	9.71
								327731 80	36415.67	17.84	9.68
								327728.42	36403.89	17.84	9.64
								327669 21	36421.22	17.84	9.74
								327677.11	36447.73	17.84	9.70
								327668 28	36449.85	17.84	9.75

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327695 62	36541.80	17.84	9.53
								327704 24	36539.32	17.84	9.50
								327712 65	36568.18	17.84	9.63
		BUILD NG	x	0		5 00	r	326584.42	37311.75	15.25	10.25
								326588 35	37280.49	15.25	10.36
								326526 99	37272.60	15.25	10.06
								326523 01	37303.80	15.25	10.06
		BUILD NG	x	0		4 00	r	326515 66	37222.88	14.39	10.39
								326536.12	37249.29	14.39	10.47
								326565 05	37226.90	14.39	10.49
								326562 54	37223.78	14.39	10.51
								326571.13	37217.17	14.39	10.40
								326560 33	37203.33	14.39	10.47
								326549 21	37211.97	14.39	10.67
								326546.70	37208.72	14.39	10.65
								326540.70	37213.35	14.39	10.60
								326536.13	37207.23	14.39	10.55
								326532 85	37209.69	14.39	10.53
								326524.15	37198.50	14.39	10.40
								326510 31	37209.27	14.39	10.36
								326518 90	37220.35	14.39	10.41
		BUILD NG	x	0		9 00	r	325439.73	37471.42	16.01	7.01
								325450 00	37467.69	16.01	6.93
								325445 57	37455.52	16.01	7.01
								325435 31	37459.25	16.01	7.11
		BUILD NG	x	0		9 00	r	325305 24	37530.33	16.95	7.95
								325346 58	37514.14	16.95	8.19
								325344 30	37508.31	16.95	8.09
								325347 93	37506.89	16.95	8.06
								325344 07	37497.04	16.95	7.92
								325322 36	37505.55	16.95	7.92
								325321 59	37503.58	16.95	7.92
								325317 34	37505.25	16.95	7.92
								325318.16	37507.35	16.95	7.92
								325313 95	37509.00	16.95	7.92
								325313.14	37506.93	16.95	7.92
								325309.73	37508.26	16.95	7.92
								325310 57	37510.41	16.95	7.92
								325299.18	37514.87	16.95	7.97
		BUILD NG	x	0		9 00	r	325383.15	37523.16	17.14	8.14
								325377 32	37508.60	17.14	8.04
								325343 35	37522.21	17.14	8.19
								325349.17	37536.75	17.14	8.23
								325350.43	37536.25	17.14	8.23
								325356 34	37551.00	17.14	8.27
								325366.45	37546.94	17.14	8.28
								325360.46	37531.99	17.14	8.23
								325360 64	37532.18	17.14	8.23
		BUILD NG	x	0		9 00	r	325385 30	37515.68	17.06	8.06
								325409 37	37505.99	17.06	7.84
								325405.46	37496.26	17.06	7.87
								325381 38	37505.94	17.06	8.00
		BUILD NG	x	0		9 00	r	325461.79	37530.02	16.62	7.62
								325450 58	37522.15	16.62	7.68
								325438 27	37513.67	16.62	7.68
								325434.70	37517.86	16.62	7.74
								325431.40	37522.11	16.62	7.79
								325427 94	37526.90	16.62	7.86
								325424 88	37531.43	16.62	7.91
								325422 51	37535.62	16.62	7.98
								325419 27	37541.40	16.62	8.08
								325415.73	37547.85	16.62	8.20

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								325411.73	37555.41	16.62	8.23
								325408 30	37561.64	16.62	8.28
								325416 50	37566.22	16.62	8.25
								325421 31	37568.91	16.62	8.24
								325433 03	37575.67	16.62	8.12
								325438.73	37565.29	16.62	7.99
								325442.78	37557.81	16.62	7.96
								325446 04	37551.87	16.62	7.94
								325448 83	37547.16	16.62	7.93
								325452 39	37541.92	16.62	7.84
								325455.13	37538.17	16.62	7.77
								325458.76	37533.70	16.62	7.69
		BUILD NG	x	0		9 00	r	325466.79	37547.15	16.75	7.75
								325469 06	37542.91	16.75	7.68
								325462 82	37539.56	16.75	7.72
								325460 55	37543.81	16.75	7.81
		BUILD NG	x	0		9 00	r	325458.48	37583.38	16.92	7.92
								325461.70	37577.64	16.92	7.92
								325466.46	37580.30	16.92	8.64
								325471 01	37572.17	16.92	7.92
								325466 30	37569.53	16.92	7.92
								325469 55	37563.72	16.92	7.92
								325460 04	37558.39	16.92	7.92
								325449 02	37578.08	16.92	7.92
		BUILD NG	x	0		9 00	r	325718 97	37951.47	17.72	8.72
								325685 63	37922.61	17.72	8.84
								325681.44	37927.12	17.72	8.84
								325680 97	37926.80	17.72	8.84
								325675.79	37932.74	17.72	9.13
								325676.15	37933.14	17.72	9.14
								325671 20	37938.72	17.72	8.76
								325679.78	37946.38	17.72	9.12
								325680 39	37945.64	17.72	9.14
								325685 26	37949.92	17.72	9.14
								325682 38	37952.86	17.72	9.14
								325689 27	37958.87	17.72	9.14
								325691 84	37955.54	17.72	9.14
								325697 89	37960.95	17.72	8.98
								325697 37	37961.51	17.72	8.98
								325704.42	37967.71	17.72	8.50
								325708 53	37962.88	17.72	8.53
								325708 98	37963.32	17.72	8.49
								325714.16	37957.33	17.72	8.51
								325713 82	37957.09	17.72	8.53
		BUILD NG	x	0		4 00	r	326445 25	37213.94	14.25	10.25
								326465.70	37240.30	14.25	10.21
								326494.70	37217.91	14.25	10.10
								326492.17	37214.78	14.25	10.10
								326500 96	37208.28	14.25	10.19
								326490.16	37194.35	14.25	10.06
								326478 91	37202.93	14.25	10.11
								326476.47	37199.45	14.25	10.09
								326470 36	37204.21	14.25	10.13
								326465.77	37198.25	14.25	10.15
								326462.43	37200.62	14.25	10.20
								326453.79	37189.55	14.25	10.35
								326439 87	37200.27	14.25	10.23
								326448 64	37211.42	14.25	10.34
		BUILD NG	x	0		9 00	r	328466 34	37031.29	15.68	6.68
								328462 39	37014.54	15.68	6.40
								328445 07	37018.63	15.68	6.31
								328449 05	37035.33	15.68	6.67

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
		BUILD NG	x	0		9 00	r	328663 00	37021.55	16.86	7.86
								328659 00	37022.31	16.86	8.06
								328659 68	37025.42	16.86	8.10
								328663 58	37024.73	16.86	7.87
		BUILD NG	x	0		9 00	r	328675 69	37048.66	16.80	7.80
								328672.12	37049.37	16.80	7.83
								328672 60	37052.16	16.80	7.86
								328676.11	37051.67	16.80	7.82
		BUILD NG	x	0		9 00	r	328678 97	37052.30	16.80	7.80
								328673.17	37053.60	16.80	7.86
								328674 30	37058.94	16.80	7.90
								328680 39	37057.59	16.80	7.84
		BUILD NG	x	0		9 00	r	328684 05	37075.87	16.78	7.78
								328677.77	37077.12	16.78	7.89
								328679.12	37082.41	16.78	7.80
								328685 24	37081.03	16.78	7.67
		BUILD NG	x	0		9 00	r	328685.14	37082.40	16.66	7.66
								328674 60	37084.79	16.66	7.90
								328675 52	37089.03	16.66	7.88
								328678 52	37088.43	16.66	7.77
								328678 96	37090.46	16.66	7.73
								328686 39	37088.67	16.66	7.62
		BUILD NG	x	0		9 00	r	328680 50	37095.30	16.65	7.65
								328677 58	37096.00	16.65	7.83
								328678 29	37098.96	16.65	7.81
								328681 21	37098.22	16.65	7.62
		BUILD NG	x	0		9 00	r	328692.49	37108.19	16.62	7.62
								328685 26	37109.93	16.62	7.68
								328686.49	37115.08	16.62	7.71
								328693 69	37113.53	16.62	7.62
		BUILD NG	x	0		9 00	r	328693 94	37114.48	16.62	7.62
								328686 65	37116.11	16.62	7.72
								328688.18	37122.76	16.62	7.70
								328695 54	37121.12	16.62	7.62
		BUILD NG	x	0		9 00	r	328662.44	37021.42	16.87	7.87
								328671 69	37019.03	16.87	7.72
								328669 92	37011.30	16.87	7.74
								328660 33	37013.46	16.87	7.96
		BUILD NG	x	0		9 00	r	328654 29	36997.72	17.18	8.18
								328660 65	36996.31	17.18	7.91
								328660 04	36993.16	17.18	7.92
								328653 53	36994.36	17.18	8.17
		BUILD NG	x	0		9 00	r	328676 59	36978.64	16.72	7.72
								328675 85	36975.35	16.72	7.76
								328676.16	36975.28	16.72	7.76
								328675 82	36973.75	16.72	7.77
								328675.46	36973.83	16.72	7.78
								328674 52	36969.65	16.72	7.82
								328666 07	36971.54	16.72	7.90
								328667 24	36976.74	16.72	7.85
								328666 91	36976.90	16.72	7.85
								328667 32	36978.73	16.72	7.83
								328667.73	36978.64	16.72	7.83
								328668.16	36980.53	16.72	7.81
		BUILD NG	x	0		9 00	r	328678 04	36985.00	16.66	7.66
								328669.79	36987.02	16.66	7.77
								328670 08	36988.19	16.66	7.78
								328667.43	36988.85	16.66	7.82
								328668 00	36991.17	16.66	7.82
								328670.47	36990.56	16.66	7.78
								328671 82	36996.01	16.66	7.68
								328680 22	36993.95	16.66	7.62

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328679 21	36989.83	16.66	7.63
								328679 55	36989.75	16.66	7.63
								328679.19	36988.26	16.66	7.64
								328678 86	36988.34	16.66	7.64
		BUILD NG	x	0		9 00	r	328671.49	37016.24	16.73	7.73
								328684 67	37013.14	16.73	7.62
								328684 54	37012.57	16.73	7.62
								328684 91	37012.48	16.73	7.62
								328684 06	37008.83	16.73	7.62
								328683.72	37008.91	16.73	7.62
								328681 90	37001.18	16.73	7.62
								328673 00	37003.27	16.73	7.62
								328674 59	37010.06	16.73	7.63
								328670 27	37011.08	16.73	7.73
		BUILD NG	x	0		9 00	r	328667 60	37010.65	16.78	7.78
								328671.10	37010.00	16.78	7.71
								328670 38	37006.17	16.78	7.74
								328666 89	37006.82	16.78	7.86
		BUILD NG	x	0		9 00	r	328679 64	37032.28	16.68	7.68
								328688 62	37030.22	16.68	7.62
								328686 89	37022.69	16.68	7.62
								328687 31	37022.59	16.68	7.62
								328686 31	37018.21	16.68	7.62
								328676 90	37020.37	16.68	7.64
								328677.71	37023.89	16.68	7.65
								328677 34	37023.98	16.68	7.66
								328677 83	37026.11	16.68	7.66
								328678 20	37026.03	16.68	7.66
		BUILD NG	x	0		9 00	r	328683.48	37047.77	16.73	7.73
								328687.40	37046.90	16.73	7.69
								328687 34	37046.61	16.73	7.69
								328695 30	37044.83	16.73	7.62
								328694.48	37041.19	16.73	7.62
								328694.79	37041.12	16.73	7.62
								328694.41	37039.42	16.73	7.62
								328694 04	37039.51	16.73	7.62
								328693 05	37035.04	16.73	7.62
								328681 23	37037.68	16.73	7.67
		BUILD NG	x	0		9 00	r	328680 29	37055.34	16.82	7.82
								328686 00	37053.29	16.82	7.76
								328684 86	37050.12	16.82	7.74
								328679.15	37052.17	16.82	7.80
		BUILD NG	x	0		9 00	r	328687.49	37062.62	16.73	7.73
								328695 88	37060.64	16.73	7.62
								328694 90	37056.48	16.73	7.62
								328695 20	37056.41	16.73	7.62
								328694 82	37054.82	16.73	7.62
								328694 50	37054.90	16.73	7.63
								328693.73	37051.62	16.73	7.65
								328685 35	37053.60	16.73	7.77
								328685.77	37055.39	16.73	7.78
								328685 38	37055.48	16.73	7.78
								328685 87	37057.54	16.73	7.77
								328686 27	37057.44	16.73	7.77
		BUILD NG	x	0		9 00	r	328688 69	37067.91	16.69	7.69
								328689 94	37073.08	16.69	7.66
								328689 54	37073.18	16.69	7.67
								328689 99	37075.04	16.69	7.66
								328690 39	37074.95	16.69	7.65
								328690 85	37076.83	16.69	7.64
								328699 20	37074.81	16.69	7.62
								328698.44	37071.66	16.69	7.62

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328698.76	37071.58	16.69	7.62
								328698 51	37070.55	16.69	7.62
								328702 52	37069.58	16.69	7.62
								328701 25	37064.30	16.69	7.62
								328696 37	37065.48	16.69	7.62
								328696 50	37066.03	16.69	7.62
		BUILD NG	x	0		9 00	r	328691.17	37084.18	16.62	7.62
								328692.70	37090.20	16.62	7.62
								328696.76	37089.17	16.62	7.62
								328697 39	37091.65	16.62	7.62
								328705.78	37089.51	16.62	7.62
								328704.75	37085.46	16.62	7.62
								328705.18	37085.35	16.62	7.62
								328704.77	37083.75	16.62	7.62
								328704.47	37083.82	16.62	7.62
								328703 62	37080.47	16.62	7.62
								328695 30	37082.59	16.62	7.62
								328695 30	37082.59	16.62	7.62
								328694 05	37082.91	16.62	7.62
								328694.17	37083.41	16.62	7.62
		BUILD NG	x	0		9 00	r	328694 29	37108.06	16.62	7.62
								328700 26	37106.68	16.62	7.62
								328700 92	37109.52	16.62	7.62
								328710 01	37107.42	16.62	7.62
								328709 88	37106.84	16.62	7.62
								328710 21	37106.76	16.62	7.62
								328709 32	37102.91	16.62	7.62
								328708 97	37102.99	16.62	7.62
								328707 25	37095.53	16.62	7.62
								328692 20	37099.01	16.62	7.62
		BUILD NG	x	0		9 00	r	328714 01	37124.38	16.62	7.62
								328712 25	37116.88	16.62	7.62
								328712 56	37116.81	16.62	7.62
								328711 66	37112.95	16.62	7.62
								328711 37	37113.02	16.62	7.62
								328711 29	37112.64	16.62	7.62
								328702 25	37114.76	16.62	7.62
								328702 98	37117.90	16.62	7.62
								328702 65	37117.98	16.62	7.62
								328703 28	37120.65	16.62	7.62
								328703 64	37120.56	16.62	7.62
								328704 95	37126.12	16.62	7.62
								328701 94	37126.83	16.62	7.62
								328702 64	37129.79	16.62	7.62
								328708.42	37128.44	16.62	7.62
								328707 81	37125.84	16.62	7.62
		BUILD NG	x	0		9 00	r	328715.42	37130.46	16.62	7.62
								328707 05	37132.41	16.62	7.62
								328708 25	37137.60	16.62	7.62
								328707 84	37137.70	16.62	7.62
								328708 27	37139.52	16.62	7.62
								328705.44	37140.17	16.62	7.62
								328705 38	37139.94	16.62	7.62
								328699 05	37141.41	16.62	7.62
								328700 30	37146.80	16.62	7.62
								328711 01	37144.31	16.62	7.62
								328710 27	37141.13	16.62	7.62
								328717 53	37139.45	16.62	7.62
								328716 86	37136.59	16.62	7.62
								328717 21	37136.51	16.62	7.62
								328716.73	37134.45	16.62	7.62
								328716 36	37134.54	16.62	7.62

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
		BUILD NG	x	0		9 00	r	328718 20	37155.56	16.70	7.70
								328717 25	37151.54	16.70	7.66
								328717 62	37151.46	16.70	7.66
								328717.18	37149.62	16.70	7.63
								328716 81	37149.71	16.70	7.63
								328716 06	37146.56	16.70	7.62
								328707.75	37148.52	16.70	7.62
								328708.16	37150.26	16.70	7.64
								328707.78	37150.35	16.70	7.64
								328708 24	37152.31	16.70	7.67
								328708 54	37152.24	16.70	7.67
								328709.79	37157.54	16.70	7.75
		BUILD NG	x	0		9 00	r	328709 25	37156.78	16.74	7.74
								328706 90	37157.29	16.74	7.75
								328707 65	37160.71	16.74	7.80
								328710 00	37160.20	16.74	7.79
		BUILD NG	x	0		9 00	r	328699 60	37176.32	16.90	7.90
								328705 54	37174.74	16.90	7.85
								328704.72	37171.30	16.90	7.85
								328698.70	37172.96	16.90	7.91
		BUILD NG	x	0		9 00	r	328701.17	37181.74	16.90	7.90
								328703 51	37181.21	16.90	7.88
								328703.13	37179.21	16.90	7.88
								328700 86	37179.74	16.90	7.90
		BUILD NG	x	0		9 00	r	328707.45	37180.14	16.85	7.85
								328708.15	37183.95	16.85	7.85
								328712 55	37183.29	16.85	7.82
								328711 88	37179.33	16.85	7.81
		BUILD NG	x	0		9 00	r	328707 96	37206.49	16.92	7.92
								328711.48	37205.81	16.92	7.92
								328710 97	37202.70	16.92	7.92
								328707.42	37203.56	16.92	7.92
		BUILD NG	x	0		9 00	r	328720 36	37204.94	16.92	7.92
								328713 23	37206.59	16.92	7.92
								328714 88	37213.76	16.92	7.92
								328722 08	37212.07	16.92	7.92
		BUILD NG	x	0		9 00	r	328714 61	37237.09	17.09	8.09
								328720.49	37235.55	17.09	8.11
								328719 37	37230.69	17.09	7.99
								328713 35	37232.17	17.09	7.96
								328713 54	37233.06	17.09	7.99
								328712 83	37233.21	17.09	7.98
								328713 68	37236.64	17.09	8.09
								328714.43	37236.49	17.09	8.07
		BUILD NG	x	0		9 00	r	328722 65	37242.25	17.23	8.23
								328715 31	37243.87	17.23	8.23
								328716 61	37249.44	17.23	8.23
								328723 88	37247.74	17.23	8.23
		BUILD NG	x	0		9 00	r	328748 07	37310.91	18.30	9.30
								328734 91	37312.53	18.30	9.04
								328736 03	37321.88	18.30	9.18
								328735 53	37321.91	18.30	9.17
								328736 36	37328.09	18.30	9.15
								328744.15	37327.16	18.30	9.32
								328743.49	37322.01	18.30	9.35
								328749 21	37321.34	18.30	9.44
		BUILD NG	x	0		9 00	r	328741 64	37566.36	17.01	8.01
								328694 61	37605.20	17.01	7.92
								328706 65	37619.89	17.01	7.92
								328702 03	37623.94	17.01	7.92
								328705.10	37627.59	17.01	7.92
								328710.16	37623.58	17.01	7.92

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328736 96	37656.32	17.01	7.84
								328778 22	37622.17	17.01	8.23
								328771 20	37613.76	17.01	8.20
								328784 05	37603.03	17.01	8.23
								328779 05	37596.99	17.01	8.23
								328771 89	37602.86	17.01	8.23
		BUILD NG	x	0		9 00	r	328712 90	36450.49	16.23	7.23
								328725.18	36510.78	16.23	8.07
								328764 58	36502.70	16.23	8.35
								328752 39	36442.26	16.23	7.99
		BUILD NG	x	0		9 00	r	328646 69	36955.60	17.36	8.36
								328653 05	36956.51	17.36	8.18
								328653 86	36950.44	17.36	8.18
								328647 58	36949.47	17.36	8.35
		BUILD NG	x	0		9 00	r	328658.71	36942.15	17.06	8.06
								328656 93	36953.83	17.06	8.13
								328666 26	36955.28	17.06	8.02
								328667 24	36947.73	17.06	8.03
								328667 62	36947.77	17.06	8.03
								328668 27	36943.43	17.06	7.98
								328663 84	36942.71	17.06	8.02
								328664 36	36939.54	17.06	7.97
								328652 88	36937.56	17.06	8.06
								328652 23	36941.05	17.06	8.11
		BUILD NG	x	0		9 00	r	328655 92	36937.47	17.03	8.03
								328658.70	36930.29	17.03	7.92
								328651 52	36927.38	17.03	7.92
								328648.73	36934.56	17.03	7.94
		BUILD NG	x	0		9 00	r	328646 63	36933.73	16.92	7.92
								328648.17	36930.52	16.92	7.92
								328645 66	36929.31	16.92	7.92
								328644.14	36932.42	16.92	7.92
		BUILD NG	x	0		9 00	r	328669 53	36937.72	16.92	7.92
								328672.79	36928.89	16.92	7.92
								328672 37	36928.75	16.92	7.92
								328673 90	36924.93	16.92	7.92
								328666 52	36922.12	16.92	7.92
								328665 06	36926.03	16.92	7.92
								328664 63	36925.81	16.92	7.92
								328663.16	36929.59	16.92	7.92
								328660 21	36928.45	16.92	7.92
								328658.46	36933.07	16.92	7.95
								328661.46	36934.21	16.92	7.93
								328661 35	36934.56	16.92	7.94
		BUILD NG	x	0		9 00	r	328719 59	37160.72	16.70	7.70
								328710 91	37162.69	16.70	7.79
								328713 05	37171.64	16.70	7.78
								328721 50	37169.73	16.70	7.70
								328720 84	37166.54	16.70	7.70
								328721.42	37166.42	16.70	7.70
								328721 03	37164.70	16.70	7.70
								328720 55	37164.81	16.70	7.70
		BUILD NG	x	0		9 00	r	328723 09	37170.35	16.68	7.68
								328717 25	37171.42	16.68	7.74
								328717 62	37173.66	16.68	7.74
								328723 36	37172.71	16.68	7.70
		BUILD NG	x	0		9 00	r	328716.73	37187.18	16.83	7.83
								328725.13	37185.20	16.83	7.77
								328724.16	37181.03	16.83	7.74
								328724.71	37180.91	16.83	7.74
								328724 35	37179.23	16.83	7.72
								328723 84	37179.34	16.83	7.73

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328723 09	37176.13	16.83	7.72
								328714 29	37178.22	16.83	7.79
								328714 64	37180.24	16.83	7.79
								328712 22	37180.81	16.83	7.80
								328712 61	37182.79	16.83	7.82
								328715 61	37182.13	16.83	7.80
		BUILD NG	x	0		9 00	r	328720 81	37191.65	16.85	7.85
								328722 96	37200.74	16.85	7.91
								328731 54	37198.67	16.85	7.89
								328730.76	37195.46	16.85	7.85
								328731 27	37195.34	16.85	7.85
								328730 87	37193.62	16.85	7.83
								328730 39	37193.70	16.85	7.83
								328729.43	37189.57	16.85	7.78
		BUILD NG	x	0		9 00	r	328726 58	37218.54	16.92	7.92
								328735 67	37216.39	16.92	7.92
								328733 95	37208.87	16.92	7.92
								328734 35	37208.80	16.92	7.92
								328733.48	37204.93	16.92	7.92
								328733 07	37205.00	16.92	7.92
								328732 92	37204.49	16.92	7.92
								328723.75	37206.57	16.92	7.92
								328724 54	37209.86	16.92	7.92
								328724 21	37209.96	16.92	7.92
								328724.77	37212.29	16.92	7.92
								328725.14	37212.22	16.92	7.92
		BUILD NG	x	0		9 00	r	328737 22	37223.06	16.92	7.92
								328728.13	37225.21	16.92	7.97
								328728 98	37229.34	16.92	8.01
								328726 33	37229.96	16.92	8.04
								328728 06	37237.11	16.92	8.12
								328730 64	37236.46	16.92	8.09
								328730.77	37237.16	16.92	8.10
								328739 99	37234.84	16.92	7.99
								328739 89	37234.41	16.92	7.99
								328740 29	37234.34	16.92	7.98
								328739.41	37230.39	16.92	7.95
								328738 94	37230.50	16.92	7.95
		BUILD NG	x	0		9 00	r	328732 01	37252.44	17.23	8.23
								328740 62	37250.44	17.23	8.23
								328739 66	37246.35	17.23	8.23
								328740.10	37246.24	17.23	8.23
								328739 68	37244.34	17.23	8.23
								328739 20	37244.42	17.23	8.23
								328738.47	37241.36	17.23	8.18
								328727 02	37244.03	17.23	8.23
								328727 28	37244.98	17.23	8.23
								328726 22	37245.25	17.23	8.23
								328726 29	37245.65	17.23	8.23
								328723 57	37246.32	17.23	8.23
								328724.48	37250.22	17.23	8.23
								328731 04	37248.65	17.23	8.23
		BUILD NG	x	0		9 00	r	328743.10	37255.40	17.23	8.23
								328734.79	37257.45	17.23	8.23
								328736 97	37266.49	17.23	8.23
								328745.19	37264.26	17.23	8.23
		BUILD NG	x	0		9 00	r	328749 62	37285.32	17.60	8.60
								328756.44	37279.24	17.60	8.86
								328751.40	37273.45	17.60	8.51
								328751.72	37273.24	17.60	8.53
								328749 37	37270.39	17.60	8.40
								328748 95	37270.64	17.60	8.38

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328748 62	37270.22	17.60	8.35
								328741 31	37276.56	17.60	8.29
								328738 64	37273.73	17.60	8.23
								328732 92	37278.76	17.60	8.23
								328737 55	37283.77	17.60	8.29
								328742 68	37279.23	17.60	8.35
								328744 56	37281.34	17.60	8.41
								328745 28	37280.81	17.60	8.42
		BUILD NG	x	0		9 00	r	328757 24	37302.48	18.54	9.54
								328753 27	37300.02	18.54	9.41
								328752 05	37301.97	18.54	9.32
								328756 22	37304.48	18.54	9.50
		BUILD NG	x	0		9 00	r	328761.12	37282.40	18.47	9.47
								328756 36	37290.45	18.47	9.46
								328759 99	37292.75	18.47	9.53
								328760.11	37292.44	18.47	9.53
								328769 51	37298.19	18.47	9.72
								328774.17	37290.74	18.47	9.66
								328771.71	37289.27	18.47	9.64
								328771 92	37288.99	18.47	9.64
								328770 59	37288.14	18.47	9.62
								328770 31	37288.42	18.47	9.62
								328767 97	37287.02	18.47	9.59
								328768.17	37286.70	18.47	9.59
								328764 93	37284.71	18.47	9.54
								328765.13	37284.43	18.47	9.54
								328763.76	37283.54	18.47	9.52
								328763 56	37283.82	18.47	9.52
		BUILD NG	x	0		9 00	r	328764.47	37301.34	18.70	9.70
								328765 67	37299.20	18.70	9.68
								328763.42	37297.97	18.70	9.62
								328762 22	37300.18	18.70	9.65
		BUILD NG	x	0		9 00	r	328774.40	37302.44	18.75	9.75
								328772.40	37311.27	18.75	9.75
								328779.46	37312.92	18.75	9.75
								328779 52	37312.73	18.75	9.75
								328784 92	37313.92	18.75	9.75
								328788.45	37299.32	18.75	9.75
								328788 87	37299.40	18.75	9.75
								328789 64	37295.59	18.75	9.74
								328789 29	37295.50	18.75	9.74
								328789.43	37294.90	18.75	9.73
								328780 51	37292.88	18.75	9.64
								328779 66	37296.14	18.75	9.72
								328779 32	37296.09	18.75	9.72
								328778 83	37298.20	18.75	9.75
								328779 09	37298.29	18.75	9.75
								328777 94	37303.24	18.75	9.75
		BUILD NG	x	0		9 00	r	328770 67	37338.36	18.75	9.75
								328766 26	37325.92	18.75	9.75
								328757 54	37329.08	18.75	9.61
								328757 28	37328.61	18.75	9.61
								328751.46	37330.68	18.75	9.51
								328754 20	37338.02	18.75	9.59
								328759 04	37336.26	18.75	9.68
								328760 96	37341.72	18.75	9.74
		BUILD NG	x	0		9 00	r	328781 23	37354.24	18.94	9.94
								328773.73	37343.32	18.94	9.79
								328765 02	37349.46	18.94	9.78
								328768 31	37354.07	18.94	9.84
								328764.11	37357.03	18.94	9.77
								328768.47	37363.39	18.94	9.86

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
		BUILD NG	x	0		9 00	r	328787 57	37362.03	19.05	10.05
								328787 84	37359.53	19.05	10.03
								328785 86	37359.32	19.05	10.01
								328785 62	37361.86	19.05	10.03
		BUILD NG	x	0		9 00	r	328778 20	37380.84	19.24	10.24
								328780.79	37379.08	19.24	10.24
								328779 62	37377.32	19.24	10.19
								328777 03	37379.20	19.24	10.19
		BUILD NG	x	0		9 00	r	328780.71	37375.47	19.16	10.16
								328773.14	37364.59	19.16	9.94
								328765 37	37370.06	19.16	9.81
								328765 20	37369.75	19.16	9.80
								328760 07	37373.34	19.16	9.75
								328764 61	37379.75	19.16	10.04
								328768.76	37376.83	19.16	9.98
								328772 02	37381.55	19.16	10.13
		BUILD NG	x	0		9 00	r	328782 68	37369.10	19.06	10.06
								328780 09	37371.01	19.06	10.06
								328782.13	37373.84	19.06	10.12
								328784.76	37372.07	19.06	10.10
								328784 83	37370.59	19.06	10.06
								328784 07	37369.39	19.06	10.06
		BUILD NG	x	0		9 00	r	328789 85	37344.77	18.94	9.94
								328791 02	37364.25	18.94	10.06
								328800 24	37363.38	18.94	10.06
								328799 57	37353.26	18.94	10.06
								328804.10	37352.89	18.94	10.06
								328803 52	37343.86	18.94	10.04
		BUILD NG	x	0		9 00	r	328801.75	37331.95	18.91	9.91
								328803 65	37340.91	18.91	10.01
								328808.17	37339.91	18.91	10.05
								328810 37	37349.78	18.91	10.08
								328817 50	37348.01	18.91	10.26
								328813.70	37329.37	18.91	10.06
		BUILD NG	x	0		9 00	r	328827 54	37340.84	19.36	10.36
								328841.17	37331.16	19.36	10.47
								328840 04	37329.61	19.36	10.45
								328843.48	37327.18	19.36	10.47
								328836 22	37317.21	19.36	10.34
								328833 21	37319.13	19.36	10.36
								328835 09	37322.25	19.36	10.36
								328834 03	37322.89	19.36	10.36
								328832.40	37320.49	19.36	10.36
								328817.41	37330.85	19.36	10.35
								328818 81	37333.63	19.36	10.36
								328818 31	37333.97	19.36	10.36
								328823.15	37341.48	19.36	10.36
								328826.42	37339.32	19.36	10.36
		BUILD NG	x	0		9 00	r	328842.48	37318.24	19.39	10.39
								328848.14	37326.30	19.39	10.53
								328858 57	37319.07	19.39	10.67
								328858.11	37318.54	19.39	10.67
								328864 94	37313.67	19.39	10.67
								328860.17	37306.65	19.39	10.67
								328853 27	37311.59	19.39	10.60
								328852 93	37311.06	19.39	10.60
		BUILD NG	x	0		9 00	r	328855 05	37296.98	19.55	10.55
								328864 03	37306.93	19.55	10.67
								328873 29	37298.84	19.55	9.78
								328864 20	37288.70	19.55	10.18
		BUILD NG	x	0		9 00	r	328849 60	37273.78	19.14	10.14
								328842 93	37280.24	19.14	10.18

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328848 30	37286.24	19.14	10.35
								328851.46	37283.49	19.14	10.34
								328852 94	37285.19	19.14	10.36
								328857 33	37281.25	19.14	10.33
								328855 55	37279.09	19.14	10.28
								328854.70	37279.76	19.14	10.29
		BUILD NG	x	0		9 00	r	328829 28	37289.46	19.08	10.08
								328837 34	37300.81	19.08	10.15
								328840 91	37298.10	19.08	10.22
								328838.11	37294.27	19.08	10.20
								328842 00	37291.24	19.08	10.26
								328836 59	37284.20	19.08	10.15
		BUILD NG	x	0		9 00	r	328843 86	37308.31	19.30	10.30
								328839.10	37302.34	19.30	10.17
								328835 28	37305.25	19.30	10.09
								328839 96	37311.26	19.30	10.24
		BUILD NG	x	0		9 00	r	328828 82	37308.44	19.06	10.06
								328832 00	37316.03	19.06	10.27
								328837 38	37313.58	19.06	10.25
								328834.44	37306.16	19.06	10.07
		BUILD NG	x	0		9 00	r	328827 84	37300.94	19.06	10.06
								328824 01	37292.14	19.06	10.00
								328819 87	37293.89	19.06	9.93
								328820 03	37294.44	19.06	9.93
								328812 94	37297.39	19.06	9.84
								328816 67	37305.89	19.06	10.02
		BUILD NG	x	0		9 00	r	328795 20	37311.06	18.75	9.75
								328803 83	37311.17	18.75	9.76
								328803 85	37302.71	18.75	9.75
								328804.41	37302.73	18.75	9.75
								328804.45	37299.17	18.75	9.75
								328803 97	37299.21	18.75	9.75
								328803 98	37297.98	18.75	9.75
								328795 51	37297.89	18.75	9.75
								328795 50	37299.15	18.75	9.75
								328794.72	37299.21	18.75	9.75
								328794 69	37301.55	18.75	9.75
								328795 36	37301.57	18.75	9.75
		BUILD NG	x	0		9 00	r	328799 39	37320.39	18.75	9.75
								328799 31	37313.30	18.75	9.75
								328790 88	37313.39	18.75	9.75
								328790 99	37320.73	18.75	9.75
		BUILD NG	x	0		9 00	r	328801 66	37325.44	18.82	9.82
								328800 80	37321.72	18.82	9.76
								328797 85	37322.48	18.82	9.76
								328798 66	37326.09	18.82	9.81
		BUILD NG	x	0		9 00	r	328894 28	37328.05	19.97	10.97
								328902 88	37340.39	19.97	10.97
								328908 95	37336.09	19.97	10.97
								328904 83	37330.06	19.97	10.97
								328915.49	37322.11	19.97	10.97
								328917 24	37324.76	19.97	10.97
								328921 29	37321.75	19.97	10.97
								328915.42	37314.19	19.97	10.18
								328912 07	37316.71	19.97	10.97
								328911 00	37315.37	19.97	10.97
								328899.44	37323.37	19.97	10.97
								328899 91	37324.19	19.97	10.97
		BUILD NG	x	0		9 00	r	328884 95	37337.24	19.97	10.97
								328874 64	37344.07	19.97	10.97
								328878 31	37349.82	19.97	10.97
								328871.76	37354.37	19.97	10.97

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328876.19	37360.47	19.97	10.92
								328883.17	37355.77	19.97	10.88
								328880.78	37352.36	19.97	10.97
								328890 80	37345.56	19.97	10.97
		BUILD NG	x	0		9 00	r	328847 52	37362.27	19.54	10.54
								328841 24	37366.78	19.54	10.46
								328841 50	37367.24	19.54	10.46
								328836 21	37371.08	19.54	10.38
								328841.74	37378.04	19.54	10.36
								328842 86	37377.17	19.54	10.36
								328844 37	37379.37	19.54	10.36
								328847 96	37376.84	19.54	10.38
								328846 67	37374.70	19.54	10.44
								328855 58	37368.38	19.54	10.60
								328856 81	37370.09	19.54	10.62
								328862.75	37365.82	19.54	10.71
								328861 59	37364.10	19.54	10.72
								328862 08	37363.72	19.54	10.73
								328856 95	37356.35	19.54	10.66
								328847 85	37362.80	19.54	10.54
		BUILD NG	x	0		9 00	r	328829.11	37388.63	19.11	10.11
								328819 90	37395.08	19.11	10.06
								328824 64	37401.57	19.11	10.06
								328833.45	37395.49	19.11	10.08
		BUILD NG	x	0		9 00	r	328810 37	37385.37	19.06	10.06
								328800 91	37392.02	19.06	10.01
								328806 82	37400.19	19.06	10.03
								328814 00	37395.21	19.06	10.06
								328814 61	37396.11	19.06	10.06
								328816 96	37394.55	19.06	10.06
								328815 37	37392.50	19.06	10.06
								328822 35	37387.53	19.06	10.06
								328817.78	37381.01	19.06	10.06
								328810 66	37385.96	19.06	10.06
		BUILD NG	x	0		9 00	r	328812.49	37525.94	18.45	9.45
								328826 21	37544.34	18.45	9.45
								328834 07	37538.48	18.45	9.45
								328833 50	37537.72	18.45	9.45
								328843.76	37530.06	18.45	9.45
								328845 82	37532.82	18.45	9.45
								328853 88	37526.81	18.45	9.45
								328851 83	37524.06	18.45	9.45
								328862 06	37516.43	18.45	9.45
								328862 67	37517.25	18.45	9.45
								328870.73	37511.24	18.45	9.45
								328856 99	37492.81	18.45	9.45
								328848 86	37498.88	18.45	9.45
								328849.43	37499.64	18.45	9.45
								328839.14	37507.31	18.45	9.45
								328836 91	37506.96	18.45	9.45
								328837 64	37506.42	18.45	9.45
								328832 87	37500.01	18.45	9.45
								328826 32	37504.89	18.45	9.45
								328831 00	37511.16	18.45	9.45
								328831 68	37510.65	18.45	9.45
								328833 95	37511.09	18.45	9.45
								328831.19	37513.14	18.45	9.45
								328831 30	37513.21	18.45	9.45
								328821 04	37520.87	18.45	9.45
								328820.42	37520.03	18.45	9.45
		BUILD NG	x	0		9 00	r	328123.70	36352.15	19.50	10.50
								328201 81	36303.72	19.50	10.36

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								328182 67	36272.49	19.50	10.36
								328104 39	36320.80	19.50	10.36
		BUILD NG	x	0		9 00	r	328502 04	36512.43	16.32	7.32
								328492 91	36472.98	16.32	7.13
								328494 06	36472.68	16.32	7.13
								328493 81	36471.48	16.32	7.11
								328492 36	36471.75	16.32	7.11
								328487 54	36450.71	16.32	7.01
								328478 26	36452.74	16.32	6.76
								328479 69	36458.18	16.32	6.90
								328472 89	36459.90	16.32	6.95
								328473.74	36464.95	16.32	7.01
								328468 35	36466.08	16.32	7.24
								328469 34	36469.17	16.32	7.24
								328474.47	36468.07	16.32	7.01
								328485 92	36516.03	16.32	7.32
		BUILD NG	x	0		9 00	r	328501 05	36424.15	18.14	9.14
								328484 99	36358.44	18.14	8.84
								328460.46	36364.38	18.14	8.54
								328478.13	36435.93	18.14	8.91
								328493 32	36432.25	18.14	8.91
								328491 95	36426.55	18.14	9.05
		BUILD NG	x	0		9 00	r	328357.15	36644.29	19.01	10.01
								328347.77	36553.19	19.01	9.75
								328311 04	36556.43	19.01	9.75
								328312 32	36568.70	19.01	9.75
								328301 84	36569.59	19.01	9.75
								328303 32	36582.01	19.01	9.71
								328313.42	36580.98	19.01	9.75
								328315.45	36599.02	19.01	9.76
								328309 31	36599.43	19.01	8.84
								328310.47	36611.90	19.01	8.84
								328316.43	36611.37	19.01	9.78
								328317 87	36623.51	19.01	9.78
								328311 69	36623.77	19.01	8.84
								328313 00	36636.31	19.01	8.84
								328318 81	36635.72	19.01	9.78
								328320.11	36647.79	19.01	9.59
								328322 08	36647.73	19.01	9.53
								328322.73	36652.41	19.01	9.75
								328333 38	36651.42	19.01	9.77
								328332 97	36646.45	19.01	9.79
		BUILD NG	x	0		9 00	r	328117 81	36729.04	18.14	9.14
								328141 90	36710.28	18.14	8.75
								328147 28	36702.06	18.14	9.14
								328144 39	36698.63	18.14	8.49
								328146 81	36694.83	18.14	9.14
								328140.14	36690.43	18.14	9.14
								328138 87	36692.24	18.14	9.14
								328129 83	36680.21	18.14	9.14
								328098.74	36704.65	18.14	9.14
		BUILD NG	x	0		9 00	r	325718 97	37951.47	17.72	8.72
								325685 63	37922.61	17.72	8.84
								325681.44	37927.12	17.72	8.84
								325680 97	37926.80	17.72	8.84
								325675.79	37932.74	17.72	9.13
								325676.15	37933.14	17.72	9.14
								325671 20	37938.72	17.72	8.76
								325679.78	37946.38	17.72	9.12
								325680 39	37945.64	17.72	9.14
								325685 26	37949.92	17.72	9.14
								325682 38	37952.86	17.72	9.14

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								325689 27	37958.87	17.72	9.14
								325691 84	37955.54	17.72	9.14
								325697 89	37960.95	17.72	8.98
								325697 37	37961.51	17.72	8.98
								325704.42	37967.71	17.72	8.50
								325708 53	37962.88	17.72	8.53
								325708 98	37963.32	17.72	8.49
								325714.16	37957.33	17.72	8.51
								325713 82	37957.09	17.72	8.53
		BUILD NG	x	0		9 00	r	325380 03	38761.09	16.02	7.02
								325384 65	38751.06	16.02	7.13
								325381 56	38749.58	16.02	7.24
								325381.76	38749.23	16.02	7.25
								325374 90	38746.07	16.02	7.32
								325374.19	38747.49	16.02	7.31
								325372.44	38746.68	16.02	7.32
								325368 83	38754.13	16.02	7.28
								325370 60	38754.96	16.02	7.24
								325369.79	38756.44	16.02	7.24
								325376.77	38759.78	16.02	7.08
								325376 91	38759.41	16.02	7.09
		BUILD NG	x	0		9 00	r	325411 84	38730.41	15.71	6.71
								325439.72	38743.19	15.71	6.71
								325445.15	38731.47	15.71	6.71
								325417.19	38718.65	15.71	6.71
		BUILD NG	x	0		9 00	r	325350 57	38797.95	16.01	7.01
								325359 96	38802.63	16.01	6.90
								325361 25	38800.05	16.01	6.88
								325363 30	38801.07	16.01	6.82
								325365 82	38796.01	16.01	6.82
								325367 61	38796.91	16.01	6.77
								325369.10	38793.92	16.01	6.78
								325355 87	38787.32	16.01	7.01
		TANK	x	0		14 60	r	327566.17	37283.57	23.44	8.84
								327565.77	37288.96	23.44	8.84
								327564 58	37294.23	23.44	8.84
								327562 63	37299.27	23.44	8.84
								327559 95	37303.97	23.44	8.87
								327556 61	37308.22	23.44	8.92
								327552 68	37311.93	23.44	8.98
								327548 25	37315.02	23.44	9.02
								327543.41	37317.43	23.44	9.03
								327538 27	37319.10	23.44	9.03
								327532 94	37319.99	23.44	9.02
								327527 53	37320.08	23.44	9.01
								327522.17	37319.38	23.44	8.99
								327516 97	37317.90	23.44	8.96
								327512 05	37315.66	23.44	8.93
								327507 51	37312.72	23.44	8.90
								327503.46	37309.15	23.44	8.87
								327499 97	37305.02	23.44	8.84
								327497.13	37300.42	23.44	8.84
								327495 00	37295.45	23.44	8.84
								327493 63	37290.22	23.44	8.81
								327493 04	37284.85	23.44	8.79
								327493 25	37279.45	23.44	8.77
								327494 25	37274.14	23.44	8.75
								327496 03	37269.03	23.44	8.73
								327498 54	37264.24	23.44	8.71
								327501.72	37259.88	23.44	8.69
								327505 52	37256.03	23.44	8.69
								327509 84	37252.78	23.44	8.70

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327514 59	37250.21	23.44	8.72
								327519 67	37248.36	23.44	8.75
								327524 97	37247.28	23.44	8.79
								327530 37	37247.00	23.44	8.83
								327535.75	37247.51	23.44	8.84
								327541 00	37248.81	23.44	8.84
								327546 00	37250.87	23.44	8.84
								327550 63	37253.65	23.44	8.84
								327554 81	37257.08	23.44	8.84
								327558.44	37261.08	23.44	8.94
								327561.44	37265.58	23.44	8.84
								327563.74	37270.47	23.44	8.84
								327565 30	37275.65	23.44	8.84
								327566 08	37281.00	23.44	8.84
		TANK	x	0		14 60	r	327467.49	37331.55	23.52	8.92
								327467 09	37336.94	23.52	8.95
								327465 90	37342.21	23.52	8.97
								327463 95	37347.25	23.52	8.99
								327461 27	37351.95	23.52	9.00
								327457 93	37356.20	23.52	9.00
								327454 00	37359.92	23.52	9.00
								327449 57	37363.01	23.52	9.00
								327444.73	37365.42	23.52	9.00
								327439 59	37367.08	23.52	8.99
								327434 26	37367.97	23.52	8.99
								327428 85	37368.07	23.52	8.98
								327423.49	37367.37	23.52	8.94
								327418 29	37365.88	23.52	8.90
								327413 37	37363.65	23.52	8.85
								327408 83	37360.71	23.52	8.84
								327404.78	37357.14	23.52	8.84
								327401 29	37353.01	23.52	8.84
								327398.45	37348.41	23.52	8.84
								327396 32	37343.44	23.52	8.84
								327394 95	37338.21	23.52	8.84
								327394 36	37332.84	23.52	8.84
								327394 57	37327.43	23.52	8.84
								327395 57	37322.12	23.52	8.81
								327397 35	37317.02	23.52	8.80
								327399 86	37312.23	23.52	8.79
								327403 04	37307.86	23.52	8.78
								327406 84	37304.01	23.52	8.77
								327411.16	37300.77	23.52	8.77
								327415 91	37298.19	23.52	8.76
								327420 99	37296.34	23.52	8.75
								327426 29	37295.27	23.52	8.75
								327431 69	37294.98	23.52	8.75
								327437 07	37295.50	23.52	8.76
								327442 32	37296.80	23.52	8.77
								327447 32	37298.86	23.52	8.78
								327451 95	37301.63	23.52	8.80
								327456.13	37305.06	23.52	8.82
								327459.76	37309.07	23.52	8.84
								327462.76	37313.57	23.52	8.84
								327465 06	37318.46	23.52	8.86
								327466 62	37323.63	23.52	8.89
								327467.40	37328.98	23.52	8.91
		TANK	x	0		14 60	r	327424 84	37229.90	23.03	8.43
								327424.44	37235.29	23.03	8.47
								327423 25	37240.56	23.03	8.51
								327421 29	37245.60	23.03	8.53
								327418 62	37250.30	23.03	8.53

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327415 28	37254.55	23.03	8.53
								327411 35	37258.26	23.03	8.55
								327406 92	37261.36	23.03	8.56
								327402 08	37263.76	23.03	8.57
								327396 94	37265.43	23.03	8.56
								327391 60	37266.32	23.03	8.54
								327386 20	37266.41	23.03	8.53
								327380 84	37265.71	23.03	8.53
								327375 64	37264.23	23.03	8.52
								327370.72	37261.99	23.03	8.50
								327366.18	37259.06	23.03	8.47
								327362.12	37255.48	23.03	8.44
								327358 64	37251.35	23.03	8.41
								327355 80	37246.75	23.03	8.37
								327353 67	37241.78	23.03	8.34
								327352 30	37236.56	23.03	8.30
								327351.71	37231.18	23.03	8.27
								327351 92	37225.78	23.03	8.24
								327352 92	37220.47	23.03	8.23
								327354.70	37215.36	23.03	8.23
								327357 20	37210.57	23.03	8.23
								327360 39	37206.21	23.03	8.22
								327364.19	37202.36	23.03	8.21
								327368 51	37199.11	23.03	8.20
								327373 26	37196.54	23.03	8.21
								327378 34	37194.69	23.03	8.22
								327383 64	37193.61	23.03	8.20
								327389 04	37193.33	23.03	8.19
								327394.42	37193.84	23.03	8.20
								327399 67	37195.14	23.03	8.22
								327404 66	37197.20	23.03	8.23
								327409 30	37199.98	23.03	8.23
								327413.48	37203.41	23.03	8.23
								327417.11	37207.41	23.03	8.25
								327420.11	37211.91	23.03	8.30
								327422.41	37216.80	23.03	8.33
								327423 97	37221.98	23.03	8.37
								327424.75	37227.33	23.03	8.41
		TANK	x	0		14 60	r	327622 35	37134.23	23.08	8.48
								327621 95	37139.63	23.08	8.53
								327620.76	37144.90	23.08	8.59
								327618 80	37149.94	23.08	8.64
								327616.13	37154.64	23.08	8.69
								327612.79	37158.89	23.08	8.73
								327608 86	37162.60	23.08	8.77
								327604.43	37165.69	23.08	8.80
								327599 59	37168.10	23.08	8.83
								327594.44	37169.77	23.08	8.82
								327589.11	37170.66	23.08	8.77
								327583.71	37170.75	23.08	8.69
								327578 35	37170.05	23.08	8.58
								327573.15	37168.57	23.08	8.52
								327568 23	37166.33	23.08	8.49
								327563 69	37163.39	23.08	8.46
								327559 63	37159.82	23.08	8.43
								327556.15	37155.69	23.08	8.39
								327553 31	37151.09	23.08	8.35
								327551.18	37146.12	23.08	8.31
								327549 80	37140.89	23.08	8.27
								327549 22	37135.52	23.08	8.23
								327549.43	37130.12	23.08	8.23
								327550.43	37124.81	23.08	8.21

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327552 21	37119.70	23.08	8.17
								327554.71	37114.91	23.08	8.14
								327557 90	37110.55	23.08	8.12
								327561.70	37106.70	23.08	8.10
								327566 02	37103.45	23.08	8.09
								327570.77	37100.88	23.08	8.09
								327575 85	37099.03	23.08	8.10
								327581.15	37097.95	23.08	8.10
								327586 55	37097.67	23.08	8.11
								327591 93	37098.18	23.08	8.11
								327597.17	37099.48	23.08	8.12
								327602.17	37101.54	23.08	8.12
								327606 81	37104.32	23.08	8.11
								327610 99	37107.75	23.08	8.17
								327614 62	37111.75	23.08	8.23
								327617 62	37116.25	23.08	8.28
								327619 92	37121.14	23.08	8.34
								327621.48	37126.32	23.08	8.39
								327622 26	37131.67	23.08	8.45
		TANK	x	0		14 60	r	327513 86	37178.67	22.97	8.37
								327513.46	37184.06	22.97	8.40
								327512 27	37189.33	22.97	8.44
								327510 32	37194.37	22.97	8.47
								327507 64	37199.07	22.97	8.49
								327504 30	37203.32	22.97	8.48
								327500 37	37207.04	22.97	8.47
								327495 94	37210.13	22.97	8.46
								327491.10	37212.53	22.97	8.46
								327485 96	37214.20	22.97	8.47
								327480 63	37215.09	22.97	8.47
								327475 22	37215.19	22.97	8.47
								327469 86	37214.48	22.97	8.46
								327464 66	37213.00	22.97	8.43
								327459.74	37210.76	22.97	8.41
								327455 20	37207.83	22.97	8.38
								327451.15	37204.26	22.97	8.35
								327447 66	37200.12	22.97	8.32
								327444 82	37195.52	22.97	8.29
								327442 69	37190.56	22.97	8.26
								327441 32	37185.33	22.97	8.24
								327440.73	37179.95	22.97	8.23
								327440 94	37174.55	22.97	8.23
								327441 94	37169.24	22.97	8.20
								327443.72	37164.14	22.97	8.18
								327446 23	37159.35	22.97	8.16
								327449.41	37154.98	22.97	8.15
								327453 21	37151.13	22.97	8.15
								327457 53	37147.88	22.97	8.15
								327462 28	37145.31	22.97	8.15
								327467 36	37143.46	22.97	8.15
								327472 66	37142.39	22.97	8.16
								327478 06	37142.10	22.97	8.17
								327483.44	37142.62	22.97	8.17
								327488 69	37143.92	22.97	8.18
								327493 68	37145.98	22.97	8.19
								327498 32	37148.75	22.97	8.21
								327502 50	37152.18	22.97	8.23
								327506.13	37156.19	22.97	8.23
								327509.13	37160.68	22.97	8.24
								327511.43	37165.57	22.97	8.28
								327512 99	37170.75	22.97	8.33
								327513.77	37176.10	22.97	8.36

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
		CS-CURB-VERT	x	0		15 00	r	327289 33	37411.42	24.12	9.12
								327277 56	37391.82	24.12	8.93
								327260 57	37402.02	24.12	8.96
								327195 52	37293.72	24.12	8.23
								327078 86	37363.79	24.12	8.28
								327082 07	37369.15	24.12	8.31
								327015.44	37409.17	24.12	8.39
								327023 29	37422.23	24.12	8.46
								327009.70	37430.39	24.12	8.49
								327035.44	37473.24	24.12	8.74
								327049 03	37465.08	24.12	8.71
								327082.77	37521.26	24.12	8.96
								327140 34	37486.68	24.12	9.02
								327151 21	37504.78	24.12	9.11
								327155 22	37502.37	24.12	9.11
								327153.76	37499.95	24.12	9.10
								327167.18	37491.90	24.12	9.10
								327164 04	37486.67	24.12	9.07
		0	x	0		8 00	r	326132 68	37846.45	17.77	9.77
								326113 34	37855.38	17.77	10.24
								326107.18	37842.11	17.77	8.84
								326126 55	37833.16	17.77	9.45
								326132 68	37846.45	17.77	9.77
		0	x	0		8 00	r	326135 98	37844.93	17.73	9.73
								326129 85	37831.64	17.73	9.45
								326149 22	37822.70	17.73	9.45
								326155 36	37836.02	17.73	9.69
								326135 98	37844.93	17.73	9.73
		0	x	0		8 00	r	328737 53	36748.37	15.20	7.20
								328692.15	36757.01	15.20	7.20
								328659.74	36627.46	15.20	7.20
								328709.44	36617.74	15.20	7.20
								328737 53	36746.21	15.20	7.20
		0	x	0		5 00	r	328643.75	36898.73	12.62	7.62
								328647 38	36918.84	12.62	7.92
								328640 29	36919.83	12.62	7.92
								328636 33	36898.23	12.62	7.80
								328643.75	36897.41	12.62	7.62
		0	x	0		5 00	r	328655 63	36913.40	12.92	7.92
								328654 97	36910.10	12.92	7.92
								328648 87	36911.09	12.92	7.92
								328646 56	36896.42	12.92	7.62
								328664 38	36893.45	12.92	8.11
								328666.19	36906.31	12.92	7.94
								328661 90	36907.30	12.92	7.92
								328661 90	36911.59	12.92	7.92
								328656.13	36912.58	12.92	7.92
		0	x	0		5 00	r	328677 25	36911.75	13.03	8.03
								328671.14	36912.41	13.03	7.94
								328666.19	36892.79	13.03	8.13
								328674.44	36891.31	13.03	7.85
								328677 58	36911.75	13.03	8.02
		0	x	0		5 00	r	328690 28	36912.08	12.74	7.74
								328685 83	36905.65	12.74	7.91
								328699 85	36895.27	12.74	7.30
								328704 31	36903.67	12.74	7.32
								328689 95	36912.08	12.74	7.75
		0	x	0		5 00	r	328748 37	36571.26	12.72	7.72
								328748.10	36576.04	12.72	7.54
								328739 85	36576.58	12.72	7.94
								328740.12	36570.19	12.72	7.62
								328747 57	36570.46	12.72	7.74

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
		0	x	0		5 00	r	328758.48	36577.11	12.59	7.59
								328759 01	36585.08	12.59	7.68
								328750.77	36585.35	12.59	7.73
								328750 23	36576.58	12.59	7.48
								328758 22	36575.25	12.59	7.67
		0	x	0		5 00	r	328761 94	36591.20	12.30	7.30
								328761 94	36600.24	12.30	7.20
								328754.76	36601.04	12.30	7.20
								328753.16	36589.87	12.30	7.43
								328761.41	36590.40	12.30	7.35
		0	x	0		5 00	r	328769 39	36602.37	12.20	7.20
								328770.46	36614.07	12.20	7.20
								328760 34	36613.27	12.20	7.20
								328759 28	36604.50	12.20	7.20
								328769 39	36602.10	12.20	7.20
		0	x	0		5 00	r	328771.79	36619.65	12.20	7.20
								328772 85	36632.15	12.20	7.20
								328763 54	36632.95	12.20	7.20
								328762.74	36620.45	12.20	7.20
								328771 52	36619.92	12.20	7.20
		TANK	x	0		14 60	r	327664 85	37235.58	23.44	8.84
								327664.45	37240.97	23.44	8.84
								327663 26	37246.24	23.44	8.84
								327661 31	37251.28	23.44	8.84
								327658 63	37255.98	23.44	8.84
								327655 29	37260.23	23.44	8.84
								327651 36	37263.95	23.44	8.84
								327646 93	37267.04	23.44	8.84
								327642 09	37269.45	23.44	8.84
								327636 95	37271.11	23.44	8.84
								327631 62	37272.00	23.44	8.84
								327626 21	37272.10	23.44	8.84
								327620 85	37271.40	23.44	8.84
								327615 65	37269.91	23.44	8.84
								327610.73	37267.68	23.44	8.84
								327606.19	37264.74	23.44	8.84
								327602.14	37261.17	23.44	8.84
								327598 65	37257.04	23.44	8.84
								327595 81	37252.44	23.44	8.84
								327593 68	37247.47	23.44	8.84
								327592 31	37242.24	23.44	8.84
								327591.72	37236.87	23.44	8.84
								327591 93	37231.46	23.44	8.84
								327592 93	37226.15	23.44	8.84
								327594.71	37221.05	23.44	8.84
								327597 22	37216.26	23.44	8.84
								327600.40	37211.89	23.44	8.84
								327604 20	37208.04	23.44	8.84
								327608 52	37204.80	23.44	8.84
								327613 27	37202.22	23.44	8.84
								327618 35	37200.37	23.44	8.84
								327623 65	37199.30	23.44	8.84
								327629 05	37199.01	23.44	8.84
								327634.43	37199.53	23.44	8.84
								327639 68	37200.83	23.44	8.84
								327644 67	37202.89	23.44	8.84
								327649 31	37205.66	23.44	8.84
								327653.49	37209.09	23.44	8.84
								327657.12	37213.10	23.44	8.84
								327660.12	37217.60	23.44	8.84
								327662.42	37222.49	23.44	8.84
								327663 98	37227.66	23.44	8.84

Name	M.	D	RB	Residents	Absorption	Height		Coordinates			
						Begin		x	y	z	Ground
						(m)		(m)	(m)	(m)	(m)
								327664.76	37233.01	23.44	8.84
		0	x	0		6 00	r	325866 04	37985.39	13.92	7.92
								325860 69	37967.91	13.92	7.92
								325892.75	37958.09	13.92	7.92
								325898.10	37975.58	13.92	7.92
								325866 04	37985.39	13.92	7.92
		0	x	0		6 00	r	328979 91	36448.89	14.53	8.53
								329017 87	36448.89	14.53	8.53
								329017 87	36396.98	14.53	8.53
								328979 91	36396.98	14.53	8.53
		0	x	0		6 00	r	328989.10	36377.41	14.53	8.53
								329012 67	36377.41	14.53	8.53
								329012 67	36342.27	14.53	8.53
								328989.10	36342.27	14.53	8.53
		0	x	0		6 00	r	329051 03	36467.66	14.53	8.53
								329144.12	36467.66	14.53	8.53
								329144.12	36328.69	14.53	8.53
								329051 03	36328.69	14.53	8.53
		0	x	0		6 00	r	328968 32	36300.94	14.53	8.53
								328996 69	36300.94	14.53	8.53
								328996 69	36189.52	14.53	8.53
								328968 32	36189.52	14.53	8.66
		0	x	0		6 00	r	329041.44	36292.95	14.53	8.53
								329141 32	36292.95	14.53	8.53
								329141 32	36159.57	14.53	8.53
								329041.44	36159.57	14.53	8.53
		0	x	0		6 00	r	328746 52	36349.25	13.32	7.32
								328855 65	36349.25	13.32	8.02
								328855 65	36303.00	13.32	8.00
								328746 52	36303.00	13.32	7.92
		0	x	0		6 00	r	328669 55	36485.80	15.75	9.75
								328576 30	36485.80	15.75	9.68
								328576 30	36407.61	15.75	9.75
								328563 33	36328.17	15.75	9.57
								328640.43	36328.17	15.75	8.75
								328669 55	36485.80	15.75	9.75
		0	x	0		6 00	r	328820.40	36096.62	15.16	9.16
								328860.15	36096.62	15.16	9.75
								328860.15	36071.63	15.16	9.45
								328820.40	36071.63	15.16	9.14
		0	x	0		6 00	r	329217 29	36039.21	14.53	8.53
								329267 59	36039.21	14.53	8.53
								329267 59	35978.47	14.53	8.53
								329217 29	35978.47	14.53	9.99
		0	x	0		6 00	r	329139.75	35889.44	16.06	10.06
								329262 35	35889.44	16.06	12.39
								329262 35	35843.36	16.06	10.36
								329139.75	35843.36	16.06	9.37
		0	x	0		6 00	r	329186 90	35826.60	16.36	10.36
								329267 59	35826.60	16.36	10.36
								329267 59	35758.52	16.36	10.06
								329186 90	35758.52	16.36	10.36
		0	x	0		6 00	r	329321 03	35853.83	21.64	15.64
								329288 54	35793.08	21.64	10.36
								329371 33	35753.28	21.64	11.37
								329398 57	35754.33	21.64	12.20
								329419 53	35798.32	21.64	21.36
								329324.17	35851.73	21.64	15.83
		0	x	0		6 00	r	329037 93	35860.53	14.53	8.53
								329010 59	35859.48	14.53	8.53
								329011 64	35817.41	14.53	8.31
								329040 04	35817.93	14.53	8.52