

**Yu-Ying Ting**

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**From:** Nanette Barragan <nbarraga@hotmail.com>  
**Sent:** Monday, August 12, 2013 4:27 PM  
**To:** Ken Robertson  
**Subject:** EIR Feedback and Concerns

EIR Feedback and Concerns

August 12, 2013

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AUG 12 2013  
COMMUNITY DEV. DEPT.

Ken,

As a resident of Hermosa Beach, an environmentalist and someone who lives near the proposed oil drilling site, I am very concerned about what the potential health and environmental impacts would be with a project located so close to area residences in a dense community like ours.

I had an opportunity to meet with E & B Oil to hear more about the project and I reviewed their application. I'm concerned there is no consideration being given to potential long-term chronic health impacts. The harm mentioned in their report only considered "acute risk to people, it does not cover chronic health risks". Acute risk is defined as "immediate adverse effects due to a single exposure to an accident". The report fails to assess or consider any "chronic health risks" such as the harm caused over long-term series of exposures. See Glossary viii and Section 1.1, November 7, 2012 E & B Preliminary Summary Report: P12-3.01a. In other words, chronic health risks such as the potential to cause cancers and abnormal child births or developmental health impacts are not assessed. Who will be looking at these risks or are they being written off as being too speculative? At a minimum, our residents should know who made the determination that the risks were too speculative and whether it was considered at all.

I also hope that the City intends to do a similar scoping meeting to address health concerns because as I talk to residents they want to address their health concerns as well. I have tried to reach out to residents to ask them to submit written feedback and concerns to your attention. As I continue to engage with residents, many residents I speak to are unaware of the proposed oil drilling. They think the potential to drill ended with the settlement. I hope that the City will take the lead to inform our residents and schedule hearings at dates/times that encourage participation.

Here are a few other areas of interest that I would like to see addressed in either the Environmental Impact Report or the Health Impact Report (or some other report):

- What facilities will no longer be available to our residents during any of the proposed phases of the oil drilling project. (i.e. any closure of the Greenbelt, South Park, streets, sidewalks).

- How far will a potential unpleasant chemicals/odor from the proposed oil drilling extend? For example, diameter distance.
- What are the potential health impacts from the unpleasant chemicals/odor that we will breath.
- What if anything can be done to mitigate long-term chronic health impact.
- Is anyone looking at the Beverly Hills oil drilling project to assess the above normal increase in cancer rates and child development abnormalities to residents surrounding that site for purposes of assessing whether that can happen to our residents with this proposed oil project?
- Do you take into consideration E & B's other projects where they have had at least 16 toxic spills of almost 16,000 gallons of crude oil and diesel fuel in California alone over the past 6 years?
- What is the risk to groundwater contamination?
- What are all of the harms that cannot be mitigated. We learned at the EIR scoping meeting that flame booms/burnouts for example cannot be mitigated and will be loud.
- How will increased truck traffic during the initial phase along already densely populated streets affect our health and safety?
- Who oversees safety operations and do they have adequate knowledge/ability to handle emergency situations?
- How do you mitigate earthquakes and their effects on the wells and pipes?
- How do you mitigate both chronic and acute exposure to undisclosed toxic materials in our land, air, and water?
- In my experience with land-use legal issues, I have seen and assessed EIR reports. I understand they are complicated and technical so will someone help sum up the potential harms to the environment and our health in an easy to read and understand report that is broken down into English for our residents (rather than the scientific technical EIR)? Maybe the City can prepare a listing of potential health and environmental impacts in a bullet form fashion or an easy to read non technically report so our residents can be fully informed?
- Is anyone assessing E & B's Huntington Beach facility and has anyone talked to their neighbors to consider concerns not addressed by our residents but being suffered by those who live near that site?
- What environmental harms may result from the proposed oil drilling project that would conflict with the City's vision to move to be more carbon neutral?

Thank you for your service to our City and your work on this very critical issue.

Kind Regards,

Nanette B. Barragan  
 640 8th Place  
 Hermosa Beach, CA 90254  
[nbarraga@hotmail.com](mailto:nbarraga@hotmail.com)

**Frances Estrada**

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AUG 12 2013

**From:** Chris Prenter <chris@prenterdesign.com>  
**Sent:** Thursday, July 11, 2013 6:47 PM  
**To:** Ken Robertson  
**Subject:** Please see attached public input for oil drilling EIR  
**Attachments:** pdg\_sig.jpg; ATT00001.htm; 2013\_Proposed\_Oil\_Drilling\_Comments.docx; ATT00002.htm  
**Importance:** High

COMMUNITY DEV. DEPT.

Ken,

Please see the attached word doc with my concerns about the proposed Hermosa Beach oil drilling project.

**Please confirm receipt.**

Thank you,  
Chris Prenter

Mr. Ken Robertson  
City of Hermosa Beach  
Community Development Director  
1315 Valley Drive Hermosa Beach,  
CA 90254

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COMMUNITY DEV. DEPT.

Dear Sir,

I am writing to express my deepest concerns concerning the proposed oil drilling at the Hermosa Beach City Yard in the hopes that they will be addressed in the Environmental Impact Report.

Here are my concerns:

1. E&B does not carry sufficient liability insurance to cover any significant accidents.
2. The massive construction associated with the first phases of the site will be an absolute nightmare for the surrounding neighborhoods. Early morning noise of trucks and workers, heavy truck traffic, congestion of our two main traffic corridors: Valley Drive and Eighth Street. Excessive noise all day, diesel fumes and traffic overflow into neighboring residential neighborhoods. The City Yard sits in a valley so noise is naturally amplified making the addition of a noise attenuation barrier ineffective. Also, fumes will naturally collect in the valley and waft out to the surrounding neighborhoods, greenbelt and parks. Right now our risk of all of these things is zero.
3. The risk of acquiring asthma or other diseases associated with exhaust and other industrial activity during the years of construction and trucking during the life of the project. Right now we have virtually no truck traffic in our neighborhood.
4. Excessive tanker truck traffic on small roads that were not designed to support the weight which would deteriorate quickly and cause unsafe conditions with large trucks negotiating them. Tanker and construction truck traffic creating danger to my children walking to and from school on Valley Drive or to other children or members of the community walking near the Green Belt, South Park and Clark Field. Valley Drive was never meant to be a corridor for heavy industrial trucking. Right now we have virtually no heavy truck traffic here.
5. The risk of a dangerous tanker truck accident, possibly involving a spill or explosion of highly flammable and toxic materials close to our residential neighborhoods which would threaten the health of thousands of people near by in our densely populated town.
6. Years of excessive noise, fumes and traffic associated with the oil drilling construction such as food truck and their loud horns.

7. Several years of construction contractors parking in our already impacted neighborhoods.
8. Seismic activity. There are faults nearby and we have frequent small earthquakes all around our area, which has a real estate value into the hundreds of billions of dollars. Drilling, removing oil and depositing water can cause subsidence and possibly cause a significant seismic event that could cause devastating amounts of damage and loss of life to the area.
9. Subsidence. The surrounding neighborhoods sit on sand, not rock, and are susceptible to damage from subsidence associated with oil and gas recovery.
10. Drilling activity will be around the clock noise that cannot be adequately reduced by noise attenuation barriers.
11. Drilling around the clock will cause vibrations that will cause the surround neighborhoods, which sit on top of sand, to vibrate, pulse and shift over time causing structural damage. This will also greatly affect the residents, whose houses will be shaking and thumping 24 hours a day for the life of the project.
12. There is not an adequate buffer area between existing neighborhoods and businesses and the proposed drilling site to make the drilling safe.
13. There is not enough area at the proposed drilling site to safely complete the scope of the drilling project.
14. The risk of fire, explosion or toxic substance leaks associated with the drilling, processing, trucking and piping of oil and natural gas causing damage and/or injury to the structures and people living and working in the surrounding businesses, homes, parks and green belt. Right now there is zero risk.
15. NORMs. Naturally Occurring Radioactive Material associated with the oil recovery and wastewater will cause a dangerous public health threat to the people living and working in the neighboring businesses, homes, parks and green belt. Right now there is zero risk.
16. There is no adequate drainage on the site.
17. Placing heavy industry oil production and processing in the middle of a densely populated residential neighborhood will cause property values to plummet, adversely affecting the life savings and livelihoods of the people living nearby.

**Frances Estrada**

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**From:** gprod@aol.com  
**Sent:** Saturday, July 13, 2013 10:49 AM  
**To:** Ken Robertson  
**Subject:** EIR Scope - Resident comments

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AUG 12 2013

COMMUNITY DEV. DEPT.

Mr. Robertson:

My name is Marc Radin. I and my family have lived in Hermosa Beach over 20 years and I am a multi-home owner in this city. I am highly concerned about the Council's action to step forward in any manner for the consideration of oil drilling in Hermosa Beach. Since this EIR action cannot be stopped, I would like the EIR scope to include a detailed analysis of the actual impact to residents near the sites, and in Hermosa Beach general. This scope should include air quality impact specified by particulates in detail, impact on cancer rates among the population, accurate reflections of commercial traffic increases, noise generation, viewing conditions of the site(s) that the residents and people passing by will see, impact on electricity rates due to substantial increased demand of this commercial project, impact to the mix of people in the population that will then be frequenting the commercial establishments including the bars, impact on traffic and accident rates (including projection of those causing deaths), impact to subterranean features including anything similar to what "fracking" causes to the water tables and substructure involving earthquake causation, impact of any proposed "slant" drilling and affect on property values, overall impact of property values near the site(s) expressed in terms of percentage of lost value, noise levels from this operation(s), air quality in terms of odors being injected into the air we breath, impact to the lifecycle of the paved streets in Hermosa Beach due to increased heavy vehicle usage of them, impact on current residents in terms of how many would move out of the city (hence further affecting property values).

This is only a partial list and I am sure you will receive other input to end up with a comprehensive list. It is clear to me that oil drilling is the wrong move to make and if the city considers it due to revenue benefits to the city budget, then the wrong people are on the council. Hermosa Beach has been and is a family community in a small setting that enjoys the quiet and clean air atmosphere of the beach. Oil drilling massively changes that formula and makes the city much less desirable to live in. The oil companies defense and justification of their operations means nothing to residents as the oil drilling people are self serving. 20 years of residency will not be a factor in my decision to remain a resident should this drilling ultimately be allowed to occur. I remain highly opposed to oil drilling in Hermosa Beach and hope the city council quickly concludes that the residents make up the city and should be left alone to enjoy the community as it is now. Just to be considering this action is a very poor reflection on the council overall judgment and the future of the city as we know it; it is also considered a cruel action to put the residents through the stress that this produces.

Sincerely,

Marc Radin

**AUG 12 2013**

**From:** Natasha <natashapower@verizon.net>  
**Sent:** Tuesday, July 16, 2013 9:00 PM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns

COMMUNITY DEV. DEPT

Dear Ken Robertson,

Please count our family of four as the strongest opponents of the Oil invasion on Hermosa Beach. It goes without saying that our little resort beach city, Hermosa Beach, cannot and should not become like a third world industrial spot, right on the map of California. Seems like our city has more options to join Solar or Wind energy ventures... verses the dangers of the rust and pollution surrounding Oil rigs.

Regards,  
The Power Family

Message from the children of the Power family:

Please choose do not do accept any of Oil Businesses bribes, because it would change the circumstances of the world having good atmosphere. And for Hermosa Beach it will mean that the nicest school district would go away; the citizens would by really sad even if it was for a zillion gold bricks!

**Frances Estrada**

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**From:** Melissa Felton <melissascottfelton@yahoo.com>  
**Sent:** Wednesday, July 17, 2013 12:01 PM  
**To:** Ken Robertson  
**Cc:** Adam Shaivitz  
**Subject:** NO on the E&B Oil Development Project

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AUG 12 2013  
COMMUNITY DEV. DEPT.

Ken,

I am writing as a resident and property owner in Hermosa Beach. I oppose the E&B Oil Development project and am seriously concerned after reading the Environmental Impact Report. Please do the right thing and do NOT this project happen.

Melissa Felton Shaivitz  
446 Monterey Blvd G2  
Hermosa Beach, CA 90254  
917.232.4775

**Frances Estrada**

**RECEIVED**

**From:** Heather Fischer <heathero@verizon.net>  
**Sent:** Friday, July 19, 2013 3:21 PM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Report - Comments and Concerns

AUG 12 2013

COMMUNITY DEV. DEPT.

Hello Mr. Robertson,

I am a resident, a mother of a young adult that was raised here, a consumer of Hermosa eateries, farmers markets, fairs, local businesses, client to local vet and founder of a local non profit to benefit the south bay. I see what is proposed, and I gasped. So much so that I am creating this email and sending it. The thought that anyone in any elected position in our city would even think that this would be a good thing for us needs to seriously soul search.

I am terrified at the thought that the residents of Hermosa will lose to oil. A city whose partnership with the Blue Zone Project has been growing with the residents. Fear fills my inner being to think that walking my grand child down the strand will no longer be the same, that our city will turn into San Pedro (no offense Pedro) that our air will smell like oil. That our view will be oil rigs, metal barrels, concrete walls and pipelines. That when I teach my grand child to surf we will be in water that is even at a higher risk of toxins then we have today.

I am gravely concerned and wish to voice my opinion in any way that shows that this resident and her household are against ANY oil drilling in the city of Hermosa. We pay the higher rents to live in a clean decent place, with a small town vibe. While I walk the dog I can never, not run into someone I know. This is Hermosa, please help her keep drilling off the property owned Hermosa.

Heather Oblon-Fischer  
936 1st street apt 2  
Hermosa Beach, Ca 90254  
cell - 818-427-5555

**Frances Estrada**

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**From:** ZACHARY D WARREN <zachwarren@me.com> COMMUNITY DEV. DEPT.  
**Sent:** Sunday, July 21, 2013 5:37 PM  
**To:** Ken Robertson  
**Cc:** Wendy B. Warren  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns

Ken,

I have reviewed the scope of the environmental impact report. The proposed drilling project appears to represent one of the worst combinations of risk and reward that I have seen in many years. Hermosa Beach, like Manhattan Beach, is one of the only true beach towns in Los Angeles County, which is arguably the most valuable single county in the United States. The four precious miles of beachfront occupied by these towns is unique and incredibly valuable as evidenced by the property value increases over the last several decades and that are still occurring.

The idea is putting this stretch of coastline at risk and damaging its beauty and inconveniencing its residents is one of the worst ideas that I have ever heard of and one that is incredibly short sighted. There is no upside for HB residents. Only property value degradation, environmental damage, creation of unsightly drilling towers in a densely populated area and traffic. And for what? To generate revenue that we do not need? We can't get power lines put underground, which would clearly enhance beauty of the city and increase property values, but we are willing to risk putting HB at risk. The whole idea is preposterous.

I am ready to do anything I can to put a stop to this project. HB is a jewel to be treasured. They are not making any more Hermosa Beaches. We live in the best beach town in a county with a population of 10 million. The property values tell the story. People are voting with their wallets. I am amazed that a project like this is even on the drawing board. I can't think of a worse idea or how anyone could be so short sighted. Please let me know how I can help to put a stop to this project.

Zach Warren  
[zachwarren@me.com](mailto:zachwarren@me.com)  
310-951-1371

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AUG 12 2013

**Frances Estrada**

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COMMUNITY DEV. DEPT.

**From:** Mike <ewebmarketing1@gmail.com>  
**Sent:** Wednesday, July 24, 2013 4:23 PM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns

NO oil drilling in hermosa beach !

Oil companies win, we get nothing!

Mike A. Kersgard

**Frances Estrada**

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AUG 1 2 2013

**From:** Lauzon Dylan P. <dxl@Big5Corp.com>  
**Sent:** Friday, July 26, 2013 10:42 AM  
**To:** Ken Robertson  
**Subject:** EIR Comment Card  
**Attachments:** EIR Comments.pdf

COMMUNITY DEV. DEPT.

Hi Mr. Robertson,

I would like to include my comments attached for the EIR scoping project.

Thank you,

Dylan Lauzon

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COMMUNITY DEV. DEPT

ENVIRONMENTAL IMPACT REPORT  
PROPOSED OIL PRODUCTION PROJECT  
PUBLIC SCOPING COMMENTS

What environmental issues would you like the EIR to address?

- Contamination of ground water & ocean
- What is E&B's safety record
- Where is this taking place elsewhere & what have been the results there
- Will fracking be involved in process
- What are the effects on wildlife
- Will the facility be manned 24hrs a day
- Will the streets be blocked during construction
- Does E&B plan to offset any environmental impacts through other environmental improvements in the city. (Donate to parks & wildlife)
- What type and amount of insurance coverage does E&B have?
- How will the City & citizens be indemnified if a leak were to occur
- How many accidents have occurred during the last 20 years using this type of extraction method?

Do you have other suggestions for making the EIR informative and useful?

I would like to see E&B's risk assessment. Have they considered the domino effect of certain risks (ie. EQ + Tsunami) like we saw in Japan. Do they have a disaster contingency plan?

Do you have questions about the EIR or the EIR process?

How was the EIR team selected? What are their qualifications?

THANK YOU!  
(optional)

Name:

Address:

Email and/or Phone:

**Frances Estrada**

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COMMUNITY DEV. DEPT.

**From:** Amber Scott <ambercscott@gmail.com>  
**Sent:** Saturday, July 27, 2013 11:21 PM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns

Mr. Robertson:

I am writing to express concerns about the Environmental Impact Report for the E&B Oil Development Project.

Before settling in Hermosa Beach, I lived in oil-centric Louisiana and coal-addicted Kentucky. I understand the economic temptation that energy industries bring to a community. But I've also seen the aftermath. While the short term benefit is tempting, especially in times of economic stress, the long term consequences are far more serious and lasting than even the most well-researched studies can anticipate.

Beaches in Louisiana are useless because of the wrath of off shore drilling, and fishing is literally hazardous to your health since the BP disaster of 2010. Homes in Kentucky are collapsing years after mines were abandoned by coal companies who promised people a way out off poverty and left them with black lung and no hope.

Hermosa Beach is a beautiful place to call home, a place that my husband, a physician at Harbor UCLA, and I hope to stay for a very long time. We are willing to overlook the power plant that looms to the immediate South because of the beautiful view from the 2nd Street Lifeguard Station. When steam erupts from the plant at 2am and startles us out of bed, we breathe a sigh of relief knowing it's not spewing toxic gases or dangerous chemicals. I can't say we'd rest so easy if alarms from an oil development using toxic chemicals sounded off in the middle of the night.

To tarnish this community with towering drilling rigs, noise reduction walls, and a pipeline would not only be offensive to the people who call it home today but also to the people who could enjoy it for two generations.

The economic advantage promised by this type of project is simply not worth it, even if the anticipated gains were twice what is projected. Put simply, Hermosa Beach is too important to squander.

Amber Scott  
660 2nd St., Apt. C  
Hermosa Beach, CA 90254  
859-333-1857

**Frances Estrada**

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**From:** Rick Pruetz <arje@attglobal.net>  
**Sent:** Monday, July 29, 2013 8:46 AM  
**To:** Ken Robertson  
**Subject:** Comments on Oil Proposal NOP  
**Attachments:** Hermosa Beach Oil Scoping Meeting.doc

**RECEIVED**  
AUG 12 2013  
COMMUNITY DEV. DEPT.

Hello Mr. Robertson: Attached are my comments on the oil facility NOP slightly revised from my oral comments from last Wednesday night to eliminate references to insurance, property value and city revenues which I understand will be address in a separate study. Please add these comments to the record. Also, my e-mail address is often routinely rejected by spam filters so please just confirm with a "got it" reply that you received it.

Thanks a million, Rick

**Rick Pruetz, FAICP**  
(310) 749-5535  
[arje@attglobal.net](mailto:arje@attglobal.net)  
[www.SmartPreservation.net](http://www.SmartPreservation.net)

**Rick Pruetz**  
522 The Strand  
Hermosa Beach, CA 90254  
310-749 5535  
arje@attglobal.net

**RECEIVED**

AUG 12 2013

COMMUNITY DEV. DEPT.

July 24, 2013

Mr. Ken Robertson  
Community Development Director  
City of Hermosa Beach  
1315 Valley Drive  
Hermosa Beach, CA 90254

RE: Comments on Scope of EIR – E&B Oil Development Project

The concerns that I would like to see addressed in this EIR are organized below according to the associated page of the NOP/Scoping Document.

P5 The NOP/SD identifies the Project Location as the 1.3-acre City Maintenance Yard and two pipelines for transporting processed oil and gas under Valley Drive, Herondo Street, Anita Street, 190<sup>th</sup> Street and Francesca Avenue. The NOP/SD does not include in this description over 50 miles of boreholes and pipes that E&B proposes to place under the City of Hermosa Beach and Santa Monica Bay. This is my estimate is based on page 6 of Attachment C of the Application which says that typical directional drilling goes down 4,000 feet and sideways another 4,000 to 6,000 feet. If the 34 proposed boreholes and pipes average 9,000 feet in length each, there would be over 57 miles of bore holes and pipe under the City and the Bay. In my opinion, the Project Site studied in the EIR should always analyze the entire project location in order to address all of the potential impacts of this project to the City and Bay as a whole.

P5 Site Size is listed as the 1.3-acre Maintenance Yard, the 1.25-acre relocation site for the Maintenance Yard plus almost four miles of pipe to transport the processed oil and gas from the production facility. Again, this omits the size of the oil and gas recovery field which I believe could underlie roughly 80 percent of the land area of the City of Hermosa Beach and roughly 60 percent of the City's tidelands under Santa Monica Bay. That is my estimate based on a map of the location of the Torrance Oil Field on page 14 of Appendix H Geosyntec. My rough guess is that when the portion of the City and Bay overlying the Torrance Oil Field is included, the Site Size grows to about three square miles, or 1,920 acres.

P14-18 Here we see five pages of aerial photos identifying the Yard, the relocation site, the processed oil and gas pipeline routes and the Exxon.Mobil Refinery in Torrance. Absent are any photos, maps or diagrams of the Torrance

Oil Field under the City of Hermosa Beach and its tidelands that E&B is applying to drill into. The EIR should fully illustrate the whole project which I believe includes the roughly three-square miles of the Torrance Oil Field lying underneath most of the City and its tidelands.

P23 This discussion of aesthetics demonstrates how the limitation of "Project Site" leaves potential impacts unexamined. Drilling and pumping under the City and the Bay can create subsidence according to the NOP/SD and induced seismicity according to Appendix H of the project application. In fact, Appendix H [p63 of 105] says that the most likely epicenter for subsidence would be the Hermosa Pier. This suggests that negative effects including aesthetic impacts might occur almost anywhere in the City.

P31 The NOP discusses the potential for earthquakes to impact the Project but my reading of the NOP/SD suggests that the EIR will not study the reverse: the impact of project-induced seismicity on the City. Appendix H to the Project Application indicates that induced seismicity is "rare" [p36] and that the probability that the project will induce seismic activity is "low" [pages 41-42]. But I believe that the EIR should address these potential hazards given the widespread damage that they could produce. In addition, the EIR should be able to better quantify vague words like "rare" and "low". For example, if experts know what percent of oil production operations have induced earthquakes, the EIR should include those statistics.

P32 The NOP/SD asserts that the Project Site is not in a liquefaction zone. However, the portion of Hermosa Beach roughly west of Hermosa Boulevard is in a liquefaction zone according to p44 of Appendix D to the Project Application. The EIR should address potential impacts to the City and Bay as a whole, including the increased hazard of induced seismicity within a liquefaction zone. Furthermore, the EIR should go beyond words like "unlikely" and "seldom" and include all available data on oilfield impacts within liquefaction zones.

P32-33 The NOP/SD reports that the Willington Oil Field experienced 29 feet of subsidence in the 1940s through the 1960s but that "this amount of subsidence would not occur in Hermosa Beach." The NOP/SD proposes a monitoring program that "should minimize or eliminate the potential for damaging amounts of subsidence to occur." Hopefully the EIR will be able to do a better job of quantifying than "less than 29 feet of subsidence". Hopefully it will also quantify what it means to "minimize" subsidence; specifically, how much can a house sink before doors stick, walls crack and foundations need reinforcement? The EIR should also include material from Appendix H [page 32] saying how it took 10 years for subsidence to stop in the Willington Oil Field after they started the reinjection program to replace the oil with water.

P34 Aims to calculate the GHG emissions from the drilling/extraction/production operation. I hope the EIR will also calculate the GHG produced by burning the oil and gas generated by this facility.

P41 The NOP/SD states that the Project Site is not in a tsunami hazard zone. True, the Maintenance Yard is not in a tsunami hazard zone but the coastline of Hermosa Beach is. As stated in Appendix H to the Project Application, if subsidence occurs, the most likely epicenter of a subsidence bowl would be at the pier. Page 66 of 105 of Appendix H of the Project Application also states that the chances of subsidence are higher along the coast. The EIR should fully examine the potential impact of subsidence particularly along the coastline and discuss the potential for subsidence to exacerbate the impact of a tsunami and sea level rise.

P42 As proposed in the NOP/SD, the EIR will fully discuss the land use implications of placing a drilling and production facility with 30 oil and gas wells within a residential neighborhood. However, if approved, this project would also permit over 50 miles of boreholes and oil and gas pipes to be drilled under most of the City and its tidelands. The EIR should carefully address the potential land use issues affecting the entire City from multiple standpoints including quality of life and impact on housing, non-residential structures and public infrastructure in the event of damaging if not catastrophic effects. Appendix C to the Project Application, page 3, discusses the need for a blow-out preventer at the production site. To quote that report "...blow out preventers are intended to be fail-safe devices." Yesterday, another oil well in the Gulf of Mexico had a blow out, presumably despite this fail safe device. The EIR should quantify how often blow outs and other catastrophic events occur. The EIR should use statistics and not words like "rarely" or "seldom". The EIR should discuss whether it is common or recommended to locate blow-out preventers this close to residences. Appendix C of the Project Application, pC-4 discusses how the cement casing is installed once the well is fully bored. As I understand it, the cement is forced out the bottom of the pipe and because it appears at the top of the hole, the assumption is made that the entire pipe has been encased in cement. The EIR should cite any studies performed on actual wells to assess how well this procedure actually works in reality. In other words, have independent experts actually gone down a mile or even a few hundred feet to ensure that the cement actually seals the bore hole? The EIR should discuss this so that readers can form an opinion about how effective this method is for preventing oil and gas from migrating throughout the project's proposed 50+ miles of bore holes.

P45 The NOP/SD suggests that the noise study will focus on impacts to the Yard, the relocation site, truck routes and the routes proposed for the installation of pipes needed to transport 8,000 barrels of processed oil and 2.5 million cubic feet of gas per day. The EIR should also discuss any noises or vibrations that residents might hear or feel as the bore holes are drilled under thousands of homes 24 hours a day for 1,020 days, or almost three years. The EIR should

include the results of any studies showing the extent to which residents will or will not hear or feel this slant drilling particularly when they are trying to sleep.

**Frances Estrada**

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**From:** Susan Darcy <s.darcy@verizon.net>  
**Sent:** Tuesday, July 30, 2013 10:09 AM  
**To:** Ken Robertson; Darcy Susan  
**Subject:** EIR Scoping Question

**RECEIVED**  
AUG 12 2013

COMMUNITY DEV. DEPT.

Hi Ken,

Can you please be sure they address the following questions in the EIR:

- 1) Please address the effectiveness of a sound attenuation wall during all phases of the proposed project specifically considering that the site is in the bottom of a bowl and that the majority of the surrounding properties will be above the site and also above the proposed sound attenuation wall.
- 2) Please address the potential “amphitheater affect” that the surrounding geography will have with regard to the noise from all stages of the proposed project as a result of the proposed site being in the bottom of a bowl with the geography sloping upwards to the west and east.
- 3) Considering that the geography has a dramatic upward slope to the East and the prevailing winds blow to the east will the fumes and odors accumulate along the greenbelt, Valley/Ardmore and the homes at the bottom of the hill and be prevented from dissipating the way they might if the geography were flat?
- 4) Is there any noise or vibration that will be experienced by surrounding properties under which the slant drilling is occurring?
- 5) Is there any noise or vibration that will be experienced by surrounding properties after the slant drilling is completed but during the next 30 years during which the gas and oil will be extracted?

**Frances Estrada**

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**From:** Kevin Sousa <kevinsousa@msn.com>  
**Sent:** Wednesday, July 31, 2013 1:33 AM  
**To:** Ken Robertson  
**Subject:** EIR Questions  
**Attachments:** EIR QUESTIONS.docx; ATT00001.htm

**RECEIVED**

**AUG 12 2013**

COMMUNITY DEV. DEPT.

Hi Ken,

Please find both listed and attached questions for the EIR.

Please confirm receipt of this email at your earliest convenience.

Thank You,

Kevin Sousa M.A.  
310-447-1318  
[kevinsousa@msn.com](mailto:kevinsousa@msn.com)

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EIR QUESTIONS

COMMUNITY DEV. DEPT.

During the construction and demolition phase of this project, Phase 1, what steps will be taken to secure the safety of residents and specifically school children that walk to and from school?

How many and what kind of vehicles will be brought into the city and how much air and noise pollution will occur from these vehicles during this phase? What effects would the pollution from these vehicles have on the health and safety of members of the community that use the green belt and South park, the beaches and the surrounding neighborhoods?

What kind of specific emergency response equipment and technicians will be needed in the event of an emergency or disaster? Where will the equipment be housed and will a new facility be required, how will this be paid for? Who is going to have oversight?

Who is going to monitor what happens on and under the sea floor and what happens in cases of subsidence or a surface expression?

Is there a danger of injected produced water from seeping up through the ocean floor and into the ocean?

What is viscosity and how will the hydrocarbons that are removed from the ground be replaced as to assure no seismic activity, micro or induced earthquakes?

Who will determine if seismic activity is induced by this project or is a naturally occurring event?

If it is determine that seismic activity was induced and structures are damaged who is fiscally responsible and who will enforce?

If fines are levied against the company who is responsible for collection and where does that money go?

What will happen to insurance premiums for homeowners?

What is brine water and will residents be told what is being injected into the ground under our homes and the ocean?

Where will all of the water necessary for this project come from? What happens in the event of a water shortage?

Where will all of the power for this project come from, what happens in the event of an outage?

Has this company ever drilled on sand before?

What is going to be processed in the sewer system hook up?

Where will the naturally occurring radioactive materials or NORMS that are produced from the drilling be stored and how will they be removed from the site? Who will oversee this?

When an issue arises be it an odor, a noise or a light how will it be resolved, what is an expected time frame and who will oversee this?

Who is financially responsible for an environmental event, in the city? out at sea? underground?

Who is fiscally responsible for the release of substances in the event of a natural disaster; an earthquake, flood, hurricane, Tsunami?

What type of equipment is required by the city to deal with the results of an environmental disaster, where will this equipment be stored, who will staff this?

What is involved in the Underground Injection Control (UIC) permitting process for injection/disposal wells? What are the construction standards for a disposal well? How are these wells monitored and inspected? Will the fluid be recycled, disposed of or re-injected?

Who will track illness in the community and how will we know if members of the community are becoming sick due to the chemicals that are released during the drilling process such as; Arsenic, Hydrogen-Sulfide, Mercury, Polycyclic Aromatic Hydrocarbons (PAHs), Acetone, Benzene, Toluene, Xylene, Radium and Boron?

How much waste and produced water will be produced during the life of this project?

What steps are being taken to make sure that subsidence does not happen and if it does and affect homes and businesses whom will be fiscally responsible?

How and who will monitor emergency releases of gas or the burning off of materials from the site? What is an emergency burn off? When is an emergency burn off necessary and how often will emergency burn offs occur? What is burned off and will it affect the health and safety of residents?

Who is going to monitor the light pollution coming from the site and what is considered an acceptable level?

Will this company report the locations and quantities of certain chemicals stored, released, or transferred and where will this information be made public?

What type of evacuation plan is necessary in the event of a disaster and how will residents be notified?

Is land able to be acquired by this company without compensation if they need it? Can they just take land that the city owns and use it for this project; the green belt, South Park? Can the company take privately held land?

During phase one and the prepping of the city yard what will become of the 9,000 cubic yards of leaded soil and what type of risk is involved in removing this? What are the dangers of transporting this soil to Kettleman 190 miles away and what communities will be affected? Who will monitor the removal and what agencies are involved?

How will the pipeline be maintained and where will the pipeline go?

Will there be another EIR for the pipeline phase of this project?

What will the pipeline be made of?

According to the Quantitative Risk Assessment There will be 10,500 laden tanker truck miles within a 10 month duration in Phase 2. What affects will this have on the community and what are the risks associated with the operation of this heavy equipment coming through town. Specifically how much time and noise and air pollution will occur for each truck and the total? If a pipeline is never made will this become a permanent part of the operation? What about the removal of natural gas, will it be in trucks? This is not addressed in the QRA? How much oil seeps from each tanker truck, on average?

What information will be available to the public concerning the substances contained and chemical additives used in the oil and gas exploration and production? What chemicals used in these activities pose a risk to the health and safety to members of our community?

How significant will the release of Hydrogen Sulfide be from these wells?

What danger/risk is there to existing capped wells?

What technology will be used in the controlling of noise, air and water pollution and what incentives will be in place for this company to maintain and keep up with the latest technology, who will they report to and who will monitor this?

This company claims it will never frack; what is fracking and why will they not frack, who will monitor this and is there a penalty if they do frack?

Will there be a Storm Water Pollution Prevention Plan outlining precautions that the company will take to reduce the discharge of pollutants and impacts to receiving waters and eliminate the discharge of toxic substances?

Will any runoff from the site go into existing storm drains, how will this be monitored and who will oversee?

What are the issues that would have to be addressed involving a '100 year storm' as they seem to be happening every 20 years or so?

What impact will this project have on our pets, and the wild life that is indigenous to the community?

Where will this company put their waste, who will oversee and monitor this?

What is bioremediation and will this technique be used on this project?

What will be held in the storage tanks on the site, what will the storage tanks be made of, how large will the tanks be and how will they vent in case of an emergency? What will be under the storage tanks and what will happen to the soil below? Is there a danger of leakage around the tanks?

If the ground below the storage tanks becomes contaminated who will clean it up?

Who will oversee and monitor the maintenance on equipment, pumps, valves, and engines on the site?

Where will the new city yard be placed and who will pay for the relocation?

What is the value of the land where the city yard sits now and what will be its value be 30 years from now? Is this company going to purchase the land or lease it?

What will become of the land at the end of this project, who will oversee and monitor the land upon completion and in the future? What happens if there are any issues that arise after the project is completed; the contamination of soil or water, pollution or any chemicals that emerge after completion, who would clean it up and pay for it?

Where has a project like this successfully been accomplished; 34 wells on a site of 1.6 acres, with a closed loop system, and over 8,000 barrels of oil and 2.5 million cubic feet of natural gas processed daily in a densely populated area? If it has been done have there been any significant negative long-term health effects by residents of the community? If it has been achieved how much revenue has the community seen from a project like this?

How will the release of Hydrogen Sulfide be monitored?

Will this company be required to report to the Toxic Release Inventory and provide information to the public regarding chemicals that may pose a risk to the health of this community?

Will this company be held to the National Emission Standards for Hazardous Air Pollutants?

Who will independently monitor the site and where the drilling is occurring and who will pay for it?

What are the risks of Cyclic Steam Injection into a seismically sensitive area with surrounding Palos Verdes Fault Zone, The Redondo Canyon Fault and The Newport-Inglewood Fault? Are there consequences from injecting and drilling in these areas?

What is casing shear and what are the dangers of this happening, is this a concern of this project?

Will Steam Flooding be used to extract oil and gas?

What methods will be used in the extraction of oil and gas and can the company decide to change those methods without oversight from the city or notifying residents without a discussion?

What specific type of crude oil is being extracted?

Will surface vibrations be felt in residences in the city?

How loud will this project be?

Will I need to keep my windows closed due to noise and air pollution?

What will happen to property values not today or five years from now but in 25 years? Who is responsible for the difference in that value and what measurement will be used?

Is there a risk of injury or death due to human error during the lifetime of this project, on the site, a block away, 1/4 mile away, half-mile away, mile away?

How many parking spots will be needed for the staffing of this project daily and will they be using private or public parking?

What is the risk of developing cancer or a neurological disorder by living in close proximity to the project?

What are the psychological effects on this community of having to address the prospect of oil drilling yet again?

What effects will this project, specifically light, noise, water and air pollution have on the cognitive functioning of children's development?

What will become of the mineral rights? How do we end our leases and take our rights back so that we never ever have to face the prospect of having to go through this again?

How will this project impact the view of the community and will this hurt property value?

How will the city yard relocation affect the residents where the relocation is to happen and their aesthetics?

How will this affect the character of the City of Hermosa and specifically the historical aspects of the surf industry and some of the shaping bays located adjacent to the city yard?

What will this project do to the view from the green belt looking from below the street up at a 32' sound attenuation wall and an 87' derrick?

Stadium lighting and glare will be a specific problem with residents that live and surround the site, what can be done to make sure that these residents are not affected?

How many trees will be destroyed during the construction and life of the project?

How will this affect the community garden in South Park?

How will the odors emanating from this project affect businesses downtown and in the 2<sup>nd</sup> street area?

Is it feasible to assume that the city yard is the only space necessary for this project, will they need more land to achieve the full capacity of 8,000 bbls a day?

Will there be an emergency swift response team? Where will the emergency swift response team be placed geographically?

How many people will be displaced or are going to move due to this project?

How many people have not moved to South Hermosa due to the threat of this project?

What about the old Stinnett well on the site and how will that be cleaned up and dealt with?

**Frances Estrada**

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**From:** ron arias <ron.arias@mac.com>  
**Sent:** Wednesday, July 31, 2013 7:47 AM  
**To:** Ken Robertson  
**Cc:** Joan Arias  
**Subject:** 8th Street and the Oil Production Project

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COMMUNITY DEV. DEPT.

Dear Mr. Robertson, we live at 720 8th Street (just west of PCH, next to the Fresh & Easy Express). As you know, the traffic on 8th Street is constant, fast and heavy all day long since 8th Street is one of the few streets that run from the beach to PCH without interruption. The information about the Oil Production project indicates that it will add 18 truck trips a day to the City traffic. Will those 18 trucks come up 8th Street to get to PCH? 8th Street is already a mess; how will we handle more??? I attended the public information meeting last Wednesday and I understand all the controversy but I am not clear on the path for the additional traffic.

Thank you, Joan and Ronald Arias/720 8th Street 310-798-8797

**Frances Estrada**

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**AUG 12 2013**

COMMUNITY DEVELOPMENT

**From:** MiraCMyra@aol.com  
**Sent:** Saturday, August 03, 2013 12:21 PM  
**To:** Ken Robertson  
**Subject:** THE OIL PROJECT

dear mr. robertson,

since everything is an emotional issue regarding life here, i'm fully expecting the screechers to soon regulate human waste, as to time excreted, amount allowed per household, etc. and since i'm at an age where i know lots of things, i know they will want to regulate everything, as they know best. as far as the oil project is concerned i have two words to say: **BEVERLY HILLS.**

yours truly,

myra beisel 335 10th st.

**Frances Estrada**

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**From:** Rochelle Schneider <rjsconsult@aol.com>  
**Sent:** Monday, August 12, 2013 1:38 PM  
**To:** Ken Robertson  
**Subject:** Comment on Oil Project

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COMMUNITY DEV. DEPT.

Dear Mr. Robertson:

I have lived in Hermosa Beach for over four years having moved there from very far north, Manhattan Beach. My residence is located at 2416 Park Avenue. I lived in the area for over 30 years because it has the best air quality in the basin and gorgeous ocean water. I believe this is the comment period for the EIR for the project. I am unsure whether I should also be commenting on the proposed financial projections, which I consider almost as important as environmental impact of the project in assessing whether to go forward.

I have reviewed the list of various authorities among which review and regulation of the proposed project would go forward. I note the Hermosa Beach voters are ultimately making the decision on the project and whose revenues are being spent to collect the decision making data. On this basis I strongly suggest a seismic assessment should be made of the equipment site and along the entire route from the ocean side to the end of the proposed pipeline. I do not see any authority who has specific identifiable oversight of this very significant issue should drilling begin. The problem with so many entities having oversight of so diverse pieces of the project is that I am afraid no one is actually authorized to direct in the best interests of the residents and generations who are not yet registered voters.

Thank you for in advance for your reply.

Rochelle Schneider

Rochelle Schneider  
Attorney at Law, Executive MBA  
RJS Legal and Business Consulting  
921 Manhattan Beach Boulevard  
Manhattan Beach, CA 90266-5119

(310) 546-9989

National Women's Political Caucus-WLA  
2006 U.S. Small Business Administration Region 9 Women Business Owner Champion  
National Association of Women Business Owners  
2010 National Nominating Committee  
Past: National Board and National Advisory Board Member  
Chair NAWBO National Presidents Assembly  
President NAWBO-OC  
Legal Counsel Los Angeles  
Vice Chair VEDC

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Frances Estrada

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**From:** Renee Stauffer <reneestauffer@verizon.net>  
**Sent:** Monday, August 12, 2013 12:32 PM  
**To:** Ken Robertson  
**Subject:** EIR - Written comments regarding proposed E&B oil & gas project

Who is going to pay for the damages to individual homes in the event of an oil spill, gas explosion, chemical leak or contamination, loss of property value, etc.

Will the city get current (2013) real estate values of each home to compare to real estate values after oil drilling is passed (and construction has begun) and everyone wants to leave because the 87 ft. tower and the smell and the noise and the vibrations are killing their way of life? Who will pay for their loss??????

**Yu-Ying Ting**

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**From:** Dean Francois <savethestrand@yahoo.com>  
**Sent:** Monday, August 12, 2013 2:58 PM  
**To:** Ken Robertson; City Clerk; Robin Maynard  
**Subject:** Scoping Comments for the EIR – Oil Drilling in Hermosa Beach  
**Attachments:** Oil scoping.doc

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Subj: Scoping Comments for the EIR – Oil Drilling in Hermosa Beach

Dear Mayor and CITY Council and Hermosa Beach Community development Director:

I am a former public works Commissioner. I head up such environmental groups as the Protectors of Public Ocean Views and Friends of the South Bay Bicycle Paths. I am also a member of the Sierra Club and the Sierra Club's Conservation Committee. I have organized several appeals to the California coastal commission and will do it with this project if there are any violations to the California coastal act.

I support the comments from all environment groups that provided comments including Sierra Club, Surfrider, VOICE, and all of the groups opposing oil drilling including Stop Hermosa Beach Oil.

#### SCOPING COMMENTS

A. **THE EIR MUST INCLUDE ANALYSIS OF ALTERNATIVE PROPOSALS**. According to State Environmental Law (CEQA), the EIR may be required to include analysis of alternative plans. A complete analysis of alternatives to this project should be completed including drilling somewhere else, and not drilling at all.

B. **AESTHETICS** – There are clearly significant impacts and should be completely analyzed.

Analysis should be complete to include **oil pipelines** might be constructed in the public right of way of Valley Drive, Herondo Street, Anita Street, and 190th Street in the Cities of Hermosa Beach, Redondo Beach, and Torrance and that the gas pipeline will be located in the public right of way of Valley Drive and North Francesca Avenue. The EIR should include the impacts of these cities as well and all public hearings and EIR's involving that as well.

C. **TRANSPORTATION/CIRCULATION AND HEALTH/SAFETY** - THE CURRENT PROPOSAL HAS A SIGNIFICANT ADVERSE IMPACT ON THE TRANSPORTATION SYSTEM AND THE HEALTH AND SAFETY OF THE COMMUNITY. While the health and safety many fall under a separate study, all analysis is required in this EIR.

#### **Fracking**

In all elements of the EIR, Fracking should be included as a possible use since it is now allowed in CA. The health and safety of people need to be considered and the devastating potential significant impacts need compete evaluation.

## Transportation

As a former public works commissioner and transportation commissioner, I personally know too well the implications that this will have on not only the effects of noise and traffic but the changes to the infrastructure and repaving and complete reconstruction of many streets to handle the vehicles and traffic. Analysis should include the minimum changes and the maximum based on the potential uses.

Currently Hermosa enjoys small **skinny streets** that are not up to the current guidelines and state codes. This unique element provides a **natural traffic calming** in our streets keeping speed limits much slower and safer than they otherwise would be. This project will mean a complete reconstruction of many streets including Ardmore. On Ardmore alone, the skinny streets provide a chaneling to cyclists, but at least traffic moves slow. The **project would require a widening of streets** including compliance with correct sidewalk widths as well. Not only the increased traffic but current traffic will then have a feeling of being able to travel faster. City's are not able to keep speed limits artificially lower and must comply with new traffic studies which will **push speed limits higher**, since it will be safer at a higher speed on the new roads which become primary streets. **Cyclists** will be at danger and bike lanes may have to be added to the width of the street. This will greatly impact the Greenbelt and parklands that are currently in use. This impacts other areas of the EIR as well.

A complete analysis should be done and impacts clearly stated on the City's **Preferential Parking Program** and how this affects the Coastal Plan.

**D. AIR, NOISE, AND ENERGY RESOURCES (LONG TERM ENVIRONMENTAL GOALS) – THE PROPOSAL HAS AN ADVERSE IMPACT ON AIR QUALITY AND NOISE FROM INCREASED TRAFFIC, AND AN ADVERSE IMPACT ON ENERGY CONSUMPTION AND CONFLICTS WITH LONG TERM ENVIRONMENTAL GOALS.**

Complete analysis should be done on impacts of **oils spills, fumes**, etc. and its affects on all wildlife on land and water.

An analysis must be done of what type of **Gas** would be tested and measured and burned adjacent to the wells. And What types of rigs would be located next to the wells for gas flaring until pipelines are built.

Analysis should include complete disclosure of **liability if disasters occur**, and the likelihood of such extent and frequency. Will E & B pay for damages? How much insurance does the City and E & B have? Accidents happen when they are not expected. That is why they are accidents.

**E. RECREATION – THE PROPOSAL HAS AN ADVERSE IMPACT ON THE RECREATION POTENTIAL THAT THE GREENBELT OFFERS.**

**F. WATER QUALITY, EARTH, GEOLOGY, AND SOILS – HERMOSA BEACH MAY BE IN A LIQUEFACTION ZONE.** Long Beach suffered a drop in their elevation since they started oil

drilling. This needs complete analysis. Hermosa has buildings densely close together. In the Northridge earthquake in 1992, a parking lot in King Harbor was destroyed sinking many cars due to Liquefaction. Much destruction will occur including the loss of life in an earthquake. A complete analysis is required on the liquefaction factor. And the **affects of drilling with or without Fracking on this and the affects of drilling and/or Fracking on fresh water quality.**

A Previous landfill at the project site may be **contaminated by lead, arsenic, barium, and petroleum hydrocarbons in soil and groundwater.** Analysis must be done on any and all possible clean-up methods that might be required by appropriate regulatory agencies.

G. CULTURAL RESOURCES – THE PROPOSAL SUGGESTS NOTHING TO BRING BACK SOME OF OUR PAST HISTORY OR CULTURAL RESOURCES THAT WILL BE LOST. As a former Redondo Beach Preservation Commissioner and a Historical Society board member, Dean Francois knows and appreciates the desire to add this to any development proposal.

H. **MANDATORY FINDINGS OF SIGNIFICANCE** – THE PROJECT IS ON A FAST TRACK AND THUS CLEARLY HAS THE POTENTIAL Affect and DISADVANTAGE LONG-TERM ENVIRONMENTAL GOALS. While all the potential adverse impacts may not be in the EIR, impacts could still be considered cumulatively considerable. The only way that the project can overcome these adverse impacts is to **include as a mitigating factor that drilling will not occur.**

Dean Francois  
Friends of the South Bay Bicycle Path  
www.SaveTheStrand.info  
po box 1544; hermosa beach, ca 90254  
tele: 1-310-318-3326  
cell: 1-310-938-2191

read article here: [http://www.dailybreeze.com/news/ci\\_23366347/redondo-beach-condo-battle-heats-up](http://www.dailybreeze.com/news/ci_23366347/redondo-beach-condo-battle-heats-up)

**Yu-Ying Ting**

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**From:** Rena Joy <renajoy@sootheyour soul.com>  
**Sent:** Monday, August 12, 2013 1:42 PM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns  
**Importance:** High

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As a Hermosa Beach resident I am opposed to oil drilling in Hermosa Beach. The effects noise, fumes, pipelines, toxic chemicals and possible spills would be Disastrous to our quality of life, the city revenue in the long run, and the property values.

Thank you,

Rena Joy Shamie  
501 Herondo Street, #73  
Hermosa Beach, CA 90254  
310 374-2153

**Yu-Ying Ting**

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**From:** Chris Miller <chrismiller.beachreporter@gmail.com>  
**Sent:** Monday, August 12, 2013 12:55 PM  
**To:** Ken Robertson  
**Subject:** EIR submissions for Marine Research Specialists  
**Attachments:** EIR letter to MRS.rtf

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August 12, 2013

## Marine Research Services

Dear Sirs,

This letter is regards to the proposed oil project by E & B Natural resources to drill for oil in Hermosa Beach after almost a 100 year ban. My name is Chris Miller. I am concerned about the aesthetics and the shared cultural history in Hermosa Beach. Informed from the fact that I was fortunate to have grown up and attend school here in Hermosa when my father film maker, Warren Miller decided to raise his family here. In addition to our family home, my father's company Warren Miller Enterprises production offices were located on Pier Avenue for close to 45 years because where else would you want to live and work if you have the choice.

As the co-author of two books on the History of Hermosa I became very familiar with the stories and the passions of those who have and do call Hermosa Beach home. I discovered stories about this town and the residents at every corner. East, West, North and South.

Hermosa by definition means beautiful in Spanish. In 1919, the residents were given this Tidelands Trust by the state of California to protect our coastline and to become the stewards of our beach.

We love the ocean breezes, the sounds of the waves and the funky aspects of Hermosa. Young and old, we have learned to share the bike paths, the restaurants and our shared cultural history for over 100 years .

My concerns for this EIR process is how will you quantify our lifestyle. This way of life many of us moved here to enjoy. Wherever we live, work or visit in Hermosa Beach due to it's size and density we will be effected. Whether we live directly across the street from the current city yard or on the north end of town well away from the proposed project we are in this together. We are all Hermosa's.

I would like this EIR process to include our Surfer's Walk of Fame where the names Dewey Weber, Hap Jacobs and LeRoy Grannis to name a few who have been given a place in our history. It was a 14 year old boy who learned to shape surfboards in a garage on 21st. Street who took what he learned to become one of the biggest producers of surfboards in the world, Greg Noll. When he went on to be one of the first people in history to ride the biggest waves in the world at Waimea Bay it was his courage and character that pushed him into those waves a passion for life learned on the shores of this beautiful beach town.

I would also, add the story of a young trumpet player, Howard Rumsey who was given a chance to manage a small funky beach bar in the late 1940's who could have imagined that his passion would transform the music world and The Lighthouse would become the birthplace of the West Coast Jazz movement.

Hermosa Beach over and over has defined itself as a independent, creative and unique beach town. As early as next week we will host the International Surf Festival where lifeguards including members of the Junior lifeguard program from all over the world will

compete in a variety of competitions to be proclaimed the Best of the Beach.

These stewards of our coastline also, include beach volleyball players. Hermosa is the cradle of beach volleyball, last weekend we celebrated the 45th year of the Seawright Volleyball tournament just one of many tournaments held throughout the summer. Every weekend the volleyball courts along the beaches of Hermosa are full, a gathering place of sorts where we can spend our free time on a certain street to play, to raise our families and to enjoy this way of life at the beach. Hermosa Beach is now home to the Beach Volleyball Hall of Fame... it is also, home to Eric Fonoimwana one of the first men to win a gold medal in Beach Volleyball at the Olympics.

People come from all over the world to find Hermosa Beach. For over a 100 years we have appreciated this town just the way it is and just the way it's not. I stand before you tonight to highlight just a few of the cultural and aesthetic aspects of this city that cannot be overlooked during this EIR process. To stand up for the names both sung and unsung who have come before to define this city. In conclusion, I've said this before but, it bears repeating there may something of value below the surface but, what is above the surface is priceless. It will be up to your office and this process to help protect the quality of life for our community .

In conclusion it is this shared community history that I want to protect and would like your company to explain how this will be mitigated so we do not become a city owned and operated by E & B Natural Resources, This project can possible reduce the value of our community forever. Silencing the multitudes that have given the rich culture we now enjoy.

Thank you,

Chris Miller  
(310) 308-3489

PS. I am also attaching a copy of my book for you to use for your research.

**Yu-Ying Ting**

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**From:** Yahoo!© <jepulcini@aol.com>  
**Sent:** Sunday, August 11, 2013 10:47 PM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns

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COMMUNITY DEV. DEPT

TO: Kenneth Robertson  
FROM: June E. Pulcini  
2230 The Strand  
Hermosa Beach, CA 90254  
PH: 310 376-0775

RE: Comments & Concerns on the Scope of the Environmental Impact Report

The Public meeting I attended was very discouraging. It is painful to see so much money being spent on a report that I believe to be un-necessary. As a believer of Climate Change, I do not believe that ANY additional fossil fuels should be removed from the earth. Especially, here along a shore where we have an earth quake fault and canyon that may cause disaster, even with out any disturbance from oil drilling. I will do anything possible to avoid these possibilities, and will not believe any promises you could make. Our lives are on the line. Money cannot buy our sustainable future on this planet....only alternative energy and sustainable life & growth will give us possibility.

I have worked many years in International Development and Education.....and have seen disastrous results and many unintended consequences. Education for Sustainable Development is the only path to a possible future of enjoyable, healthy life. GNH (Gross National Happiness) not GNP

(Gross National Product) is our measurement of the future. Then, we still may have a huge earth quake and tsunami to change our coastline. The Scope of this Environmental Impact Report is irrelevant to this reality. No great promises or scientific oil drilling advancements can change it.

June Pulcini - Resident of Hermosa Beach since 1970  
(wife of Marvin May - property & business owner)

*Michael Collins, Psy.D.*

Hermosa Beach

PSY20415

California

(310) 989-4323

August 11, 13

Ken Robertson, Director  
Community Development Department  
1315 Valley Drive  
Hermosa Beach, CA 90254  
[krobertson@hermosabch.org](mailto:krobertson@hermosabch.org)

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RE: Comments on the Notice of Preparation and Scoping Document for the Draft Environmental Impact Report for the E&B Oil Development Project

Dear Mr. Robertson,

There is no doubt that the proposed project will increase the amount of traffic, air pollution, noise pollution and light pollution in, and around, the city of Hermosa Beach. In addition to writing to you about these concerns, I will also add a dimension that is not covered in the NOP for the EIR. This project has already begun to create a threat to the citizens of Hermosa Beach that, in the psychological community, is known as an Existential Threat. Living with an existential threat brings concerns worthy of addition to the scope of this EIR and will also exacerbate the symptoms and ailments caused by the various forms of stress and pollution that will be created by this project being packed into such a densely packed community.

**Air Pollution** has been linked to cancer, brain damage, depression, forgetfulness, and learning and memory problems. It is paramount for the health and wellbeing of this community that we address the increased probability of this threat. I'm not certain of the threshold of acceptance that your study will utilize, but in this community's opinion, increasing the likelihood that one citizen be asked to suffer the symptoms of depression, or that one child struggle in school as a result of learning problems exacerbated by this threat, is an unacceptable threshold. There is an abundance of studies that you can reference that will scientifically support these facts.

How will the increase in air pollution caused by this project increase the probability of cancer?

How will the increase in air pollution caused by this project increase the probability of brain damage?

How will the increase in air pollution caused by this project increase the probability of depression?

How will the increase in air pollution caused by this project increase the probability of increased forgetfulness?

How will the increase in air pollution caused by this project increase the probability of a child developing learning or memory problems?

How will the increase in air pollution caused by this project increase the probability of an increase to the suicide rate in the community?

**Noise Pollution** has been linked to impaired cognitive function, reading comprehension, long term memory problems, learning disabilities and problems with both attention and communication. Several studies point to an overall delay in cognitive development for children raised near noise pollution. The risk to our children's academic abilities is something that must be included in this study. An increase in noise pollution also creates higher levels of stress and anxiety. Stress and anxiety bring a host of physical and psychological struggles. Increases in weight, anger, violence, and substance abuse to ameliorate symptoms of anxiety are but a few. Then there is the obvious fact that the noise created by the project will absolutely affect people's ability to sleep. There are people in this community that sleep in the day and work through the night, and then there are the rest of us, that sleep at nighttime. When you measure the level of noise created by this project, will you use the real Hermosa Beach metric? Here in Hermosa Beach we live and sleep with our windows open. We spend time outdoors and in our community. Please utilize a metric that takes into account the way we truly live our lives. We do not hide behind blackout curtains and dual paned vinyl windows. We do not wrap our houses in blue soundproof blankets. We need you to use a metric that takes into account this obvious truth. Asking us to shutter ourselves in as a way to mitigate noise will only increase the likelihood of disturbed sleep, anxiety, depression and myriad other problems associated with noise pollution.

How will the increase in noise pollution caused by this project increase the probability of impaired cognitive functioning in both children and adults?

How will the increase in noise pollution caused by this project increase the probability of reading comprehension problems for school-aged children?

How will the increase in noise pollution caused by this project increase the probability of long-term memory problems?

How will the increase in noise pollution caused by this project increase the probability of a child developing a learning disability?

How will the increase in noise pollution caused by this project increase the probability of a child developing attention problems?

How will the increase in noise pollution caused by this project increase the probability of a child developing communication problems?

How will the increase in noise pollution caused by this project increase the probability of citizens developing insomnia?

How will the increase in noise pollution caused by this project increase the probability of citizens developing depression related to lack of sleep?

How will the increase in noise pollution caused by this project increase the probability of citizens developing anxiety related to lack of sleep?

How will increase in noise pollution caused by this project increase the probability of an increase in domestic violence?

How will the increase in noise pollution caused by this project increase the probability of substance abuse directly caused by stress related to noise pollution, insomnia, depression or anxiety?

How will the increase in noise pollution caused by this project increase the probability of an increase to the suicide rate in this community?

**Light Pollution** has been shown to disrupt circadian rhythms, which will cause irregular sleep patterns and has been linked with a higher incidence of cancer. Fear of an increased likelihood of cancer is an obvious stressor and Existential Threat. There is an abundance of literature studying the relationship between disrupted sleep patterns and a higher incidence of stress, heart disease, cancer, depression, anxiety and poor school performance. The evidence is overwhelmingly in support of this cause and effect relationship. In addition to that, I am immediately worried that an increase of light around our community will interfere with our current sleep patterns. It would appear that there are thousands of residents that would be able to see an increase in light as a result of this project. If they can see it, this means that it is affecting them. This reality must be included as part of your metric. Will you enter several houses and study how the light of this project will enter our homes and neighborhoods?

How will the increase in light pollution caused by this project increase the probability of cancer within the community?

How will the increase in light pollution caused by this project increase the probability of disrupted circadian rhythms in sleeping citizens?

How will the increase in light pollution caused by this project increase the probability of stress in the community?

How will the increase in light pollution caused by this project increase the probability of heart disease as it relates to poor sleep?

How will the increase in light pollution caused by this project increase the probability of depression as it related to poor sleep?

How will the increase in light pollution caused by this project increase the probability of anxiety as it relates to poor sleep?

How will the increase in light pollution caused by this project increase the probability of poor school performance as it relates to disrupted sleep?

How will the increase in light pollution caused by this project increase the probability of an increase to the suicide rate in this community?

**Existential Threats** come in the obvious form of how a person deals with a threat upon their life. A person with a compromised immune system living by an oilfield would certainly have an increase in fear that their body would not be able to deal with an increased amount of stress or pollution. Existential Threats are also

threats to family, wellness, lifestyle and community. There is also the psychological threat that our entire community is being asked to bear as a result of living under the existential threat that was levied upon us as a result of this issue being placed back on the table. Every single community member is operating with an increased concern that the outcome of this project will effect the way that we currently live and exist. Your study is to include health and safety risks. In my business, I see people day in and day out who are seeking treatment to deal with anxiety, depression substance abuse, relationship issues, school struggles, insomnia and learning disabilities. All of these issues are listed as byproducts of living near increases in Air, Noise and Light Pollution. They are also the direct result of living with an existential threat.

How will the existential threat caused by this project increase the probability of anxiety within the community?

How will the existential threat caused by this project increase the probability of depression within the community?

How will the existential threat caused by this project increase the probability of substance abuse and dependence within the community?

How will the existential threat caused by this project increase the probability of relationship issues within the community?

How will the existential threat caused by this project increase the probability of academic struggles within the children of this community?

How will the existential threat caused by this project increase the probability of insomnia within the community?

How will the existential threat caused by this project increase the probability of an increase in learning disabilities within the children of this community?

How will the existential threat caused by this project increase the probability of an increase to the suicide rate in this community?

**Air, Noise and Light** pollution will be a reality of this project. As you study these factors and then offer mitigation recommendations, will WE THE PEOPLE be asked to close our windows, move our beds, stay off of our patios and roof decks, raise the sound level of conversations with our friends, family and community or alter the route that our children walk to school. If the answer is yes, then the pressing reality is that this mitigation causes a threat to the way that We Exist. If the way that a community naturally exists is threatened, all of the above mentioned questions become scientifically backed realities that must be included in the EIR.

Sincerely,

Dr. Michael Collins  
2401 Pacific Coast Highway  
Hermosa Beach, California 90254

**Yu-Ying Ting**

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**From:** Moira Lerner <moiraln@verizon.net>  
**Sent:** Sunday, August 11, 2013 5:35 PM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns

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Dear Mr. Robertson,

I attended the public scoping meeting and was impressed with the large number and detailed nature of the questions my fellow Hermosans raised there. They clearly demonstrated the level of public concern about the project, and the wish to ensure that the Environmental Impact Report will explore all conceivable potential threats the oil project could pose to the health and safety of our inhabitants, our environment, and our investments.

Many of the questions that were raised at the meeting do not fall within the purview of an EIR. I hope, however, that you will make sure the information is provided somewhere, and disseminated along with the rest of the material being prepared on the impacts of the project. Here are some of the questions on my mind:

I am especially curious to see a map of the paths of all 30 of the pipelines that E&B proposes to run under the city and into the bay.

I would like to see photographs of the trucks that will be used to transport crude oil from the site, and to know the maximum number of trips through the city per day and the hours they will be on the road.

I'd like to see some descriptions of worst-case-possible scenarios and how our city should be prepared to respond in such cases.

I'd like to see a list of who the staff will be on the site (what specialties and how many of each), hour-by-hour around the clock.

In view of the fact that the project would be set in the midst of our densely populated community, beside the green belt and close to several parks, on a street used every day by large numbers of children (as well as adults) traveling on foot or bike to go to the grammar and middle school, the library, post office, community center, farmer's market, city hall, police and fire stations, and downtown, I'd like to see some assessment of the project site's vulnerability to vandalism, mischief, carelessness, curiosity, and sheer adolescent idiocy and the dangers those possibilities might pose to the community. Will children and teenagers be able to get in easily? Will they be hurt if they try?

I am far less interested in how careful the company claims they are going to be than in how dangerous and damaging the project might be if the safeguards and mitigations being planned for it aren't as successful as planned. I think it is the obligation of any experts who are evaluating the potential negative impacts of this project on our behalf to fully inform us of the worst that could befall. E&B has already given us their sunny sales pitch.

With sincere regard and thanks,  
Moira Nelson

2415 Silverstrand Avenue  
Hermosa Beach, CA 90254

## Yu-Ying Ting

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**From:** Susan Darcy <s.darcy@verizon.net>  
**Sent:** Sunday, August 11, 2013 3:57 PM  
**To:** Ken Robertson  
**Cc:** Darcy Susan  
**Subject:** EIR Scoping Questions

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Hi Ken,

Just a couple of additional questions that I would like to see addressed in the EIR:

1. Is the City Yard drilling site in an Earthquake Fault Zone?
2. Will any of the underground pipes that would run from the 30 proposed slant drilling wells, or are any of the proposed pipelines for the transportation of oil run across/above any known fault lines? If so, wouldn't seismic activity on those fault lines have potentially devastating results (one half of the pipe going up and the other going down).
3. If the pipe/pipelines were to crack or break as a result of seismic activity, how would E&B be able to stop the flow of oil out of those lines and how much oil would leak before they could stop the flow?
4. Can the 87+' drilling rig be adequately secured in the case of a significant earthquake? Is it correct that the 87' rig will be in place for the 3-4 months that the sample wells are being drilled and then again for the another 2.5 years in connection with the construction phase of the remaining 30 wells? So nearly 3 years in total if everything runs according to schedule?
5. How would the 32' proposed sound attenuation wall keep the sound in from an 87' rig?
6. My understanding is that because the oil is so thick it has to be heated to over 200 degrees in order to flow through the pipelines and that all properties that are above the existing pipelines have brown strips through their lawns due to the high heat of the pipelines below. Would that be the case with the underground pipes that run from the 30 proposed slant drilling wells (affecting all of the homes/yards/sidewalks/streets under which they run)? And would that be the case in connection with any new pipelines installed for the purposes of transportation (affecting the greenbelt or anywhere else the pipelines are proposed).
7. How old are the existing pipelines that they propose to use to transport the oil out of town and how have those pipelines been maintained over the many years that they have been in existence. Due to the age of the existing infrastructure what are the potential issues?
8. What is the impact on the homes that are adjacent to the existing mini-storage if that site is changed from mini-storage to City Yard use.

Thank you for making sure that these issues are addressed. Susan Darcy

## Yu-Ying Ting

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**From:** Dency Nelson <dln52@verizon.net>  
**Sent:** Sunday, August 11, 2013 3:11 PM  
**To:** Ken Robertson  
**Subject:** Comments re: the EIR

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COMMUNITY DEV. DEPT.

Ken,

I'm sure that you know where I am on the oil drilling project. Moira attended the scoping meeting on the 24th; I have seen some of it online. I am fairly confident that all of the pertinent questions and concerns have been submitted. But, not to let the 12th come and go without raising my hand, her are my major concerns:

- Geological instability of this area exacerbated by 35 directional wells bored underneath our city and our homes
- Inevitable leaking at the well head and throughout the project
- Toxic emissions released into the ground, the ground water, the Santa Monica Bay, and the Air
- Noise, smell and overall unattractiveness of this project effecting our lifestyles and the tourists who would otherwise come and spend their dollars, and our property values
- Energy and water used to operate the facility
- Increased traffic on all area streets due to this project
- Insufficient evidence that this particular company knows how to do this type of drilling, and whether they have the means or the desire to clean up their mess when the inevitable spill or blow-out occurs

I won't even get into the bad financial deal this is for the city, nor my life-long commitment to the truth that at any price, this is a commodity that we move away from and that our labor and investment would be better served in an alternative energy arena.

Just the beginning of a long fight that we will win, because we are Jackie Robinson in this one. We have the righteous cause, and the ability to defeat the devil.

Dency Nelson  
2415 Silverstrand Avenue  
Hermosa Beach

## Yu-Ying Ting

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**From:** Claudia Prenter <claudia@prenterdesign.com>  
**Sent:** Sunday, August 11, 2013 12:04 PM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns

Dear K Robertson,

I am writing today because I am very concerned about the proposed Hermosa Beach "Oil Production Project". It would affect us directly, since we live 2 blocks away from the city yard.

\* Being a mother of 2 school age children, 9 and 14 years old, I worry about the increased traffic on the streets my children have to use when walking or riding their bikes to school, same streets that would be very busy with construction and oil trucks during business hours, we DON'T need that. There's no need for 18 wheelers and their emissions, in our very populated residential area. It think they would compromise our health and safety.

\* I'm concerned about the response of the city and/or oil company in case of an emergency, I've read enough about oil spills and explosions to know that A LOT of the times are not handled properly.

\* Most of all, it disturbs me that there will be undisclosed toxic materials contaminating our air, land and water.

As a family, and long time residents, we love the lifestyle Hermosa Beach offers and feel that it would be irresponsible to allow such a project to go ahead, especially when oil drilling has been illegal in this city for 30 years.

Regards,  
Claudia Prenter

--  
Claudia Prenter  
625 Loma Drive  
Hermosa Beach, CA 90254

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**Yu-Ying Ting**

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**From:** Pratik Basu <pratikbasu@gmail.com>  
**Sent:** Sunday, August 11, 2013 11:18 AM  
**To:** Ken Robertson  
**Subject:** Hermosa Beach Oil Environmental Impact Report

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Dear Mr. Robertson,

COMMUNITY DEV. DEPT

I had some questions about the Hermosa Beach Oil Environmental Impact Report

Why are they proposing a 32' wall when city regulation has a height limit of 30'?

Do you take into consideration E&B's other projects where they have had at least 16 toxic spills of almost 16,000 gallons of crude oil and diesel fuel in California alone over the past 6 years?

How will increased truck traffic during the initial phase along already densely populated streets affect our health and safety?

Who oversees safety operations and do they have adequate knowledge/ability to handle emergency situations?

How do you mitigate earthquakes and their effects on the wells and pipes?

How do you mitigate both chronic and acute exposure to undisclosed toxic materials in our land, air, and water?

Thank you for your time.

Sincerely,

Pratik Basu  
532 Hermosa Ave. #6, Hermosa Beach, CA 90254  
M: [+1-213-985-0159](tel:+1-213-985-0159) | E: [pratikbasu@gmail.com](mailto:pratikbasu@gmail.com)

**Yu-Ying Ting**

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**From:** Ray Waters <raywaters35@gmail.com>  
**Sent:** Saturday, August 10, 2013 4:27 PM  
**To:** Ken Robertson  
**Subject:** Drilling for oil in Hermosa Beach

Is there any guarantee that the wells casings will not leak methane or oil into our environment. I have been told that about 5% of the wells in other areas will leak from the beginning and more will leak over time. What penalties will be assessed if the wells do leak or that the pressurized water injected into the well will cause other problems when encountering the fractures that cause the seepage of tars that currently exist.

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**Yu-Ying Ting**

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**From:** Jack Coble <jack@pilatesology.com>  
**Sent:** Saturday, August 10, 2013 3:09 PM  
**To:** Ken Robertson  
**Subject:** EIR Scope Comments

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COMMUNITY DEV. DEPT.

Hi Ken,

I have been attending most of the community meeting regarding the E&B project. I want to applaud you personally for being very adamant about public comments and participation in the process. Since the card was a bit small I thought I just would send my comments about the EIR to you via email.

First- I realize that that EIR covers a lot of ground. Many of the things folks were concerned about during the last meeting were already in your briefing previous.

There were a couple things that I wanted to comment on- and this might already be something that the EIR covers as well.

1) what are the exact chemicals that will be injected into the injection wells? Will the EIR provide an exact list.

2) Many if not all of the chemicals used for fracking are exempt from the clean water and clean air act and therefore the company is not required to list any/all the chemicals used for drilling etc...

I realize that "fracking " is not what E&B has applied to do- but are there any similar "exemption" rules for this project?

3) Back to the injection wells- what are the locations, depth and proximity to water table? Will the EIR cover this?

4) will the EIR do testing of heavy metals, VOC's etc... before the start of the process to compare a before and after. Unfortunately oil companies like to pass the buck to any toxic exposure by saying it was already existing in the water, soil etc...

5) Will the EIR be testing water, soil on a regular basis? or does it end if the project moves forward.

6) Who will we, as a community, be using to monitor the water, soil etc.... if the EIR ends?

7) At maximum production E&B would like to extract 8000 barrels per day.

Should there be catastrophic failure of any or all wells what is the minimum & maximum # of barrels that we would expect to see. Is that part of the EIR?

8) Will any oil spills be released into the ocean? If so what are the containment protocols? Does the EIR take into account all the oil boom required for a spill into the ocean? Does the EIR account for where it will be coming from? How long it would take to arrive? obviously it cannot be stored here- Or is it?

9) Will the EIR take into account the average response time for a large spill- it could take days or weeks before a well can be plugged. Does the EIR take those "human" response averages into account when assessing real damage to marine life? to long term toxicity of the ocean floor and all that ecosystem ?

If I think of more I will send another email...

Thanks so much!!

Best,

Jack Coble  
1717 Monterey Blvd.  
Hermosa Beach, CA 90254  
resident and business owner  
646-342-6494

--

Jack Coble | Behind the Scenes Wizard

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## Yu-Ying Ting

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**From:** Dave Andrews <dandrews@deviousmedia.com>  
**Sent:** Saturday, August 10, 2013 11:50 AM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns

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Hi Ken,

COMMUNITY DEV. DEPT.

Thank you for taking on this challenging issue.

Below are the various concerns I would like to see addressed for the proposed oil drilling as it relates to the EIR:

1. Who trains the city of Hermosa Emergency response teams day one and ongoing?
  1. Who pays for this training?
2. What equipment is needed for emergency response?
  1. Who pays for this equipment day one and on going?
3. E&B has already had 16 spills of 16,000 gallons of crude oil and diesel fuel over the past 6 years. How many spills are they allowed in Hermosa and or how big can the spills be before they are shut down?
  1. Would they owe us money for the rev share?
  2. Can they claim bankruptcy and are we stuck with the bill?
4. How tall and how often is the maintenance tower going to be up after the pumps are completed. It is vague. Is it the 150' or the 87' and is it 3 months a year?
5. How far away from the site do homes have to state they are near an oil well if they sell their home?
6. If the drilling is under a home does the home have to state it is on top of a drilling site?
7. Who takes care of the roads from all of the additional trucks coming through the city?
8. How do we gain our parking spots back since there is already limited parking?
9. What happens if there is a spill or explosion?
  1. Can citizens file a lawsuit against E&B and the City?
10. At what point of disaster could this project be null and void?
11. What are the exact chemicals and their levels used for drilling and produced water?
12. What happens if there is a Tsunami?
13. What happens if a home shifts because of the drilling below?
14. How do we know if there is a slight leak and or any leaks in the pipes?
  1. I have read there are sensors but exactly how many per how many feet of pipe?
15. Is there a map that can be shared with the citizens of the planned pipe routes so we all know exactly the homes they will be drilling under.
  1. Can we at least have a broad map so we know the direction?
16. If there is an increase in seismic activity at what point is EB shut down for good?
17. Is \$5 million enough insurance to pay for lost home values, long term health issues that could arise in 10-30 years or more from drilling.
18. If there is any issues legally can the City of Hermosa be on the hook for anything?
19. If someone is killed and or how many people have to be killed before they are shut down?
20. How often will a release happen? How many are they allowed and or what is the fine?
21. Are all meetings with the oil company and any consultant and or city official documented for transparency?
22. Are you looking at pedestrian, skateboard, and bicycle traffic studies not just auto traffic?

23. Who is held accountable for all of the studies if they are not accurate and can they be sued?
24. How wide is the tower?
25. Does the city have enough skilled employees to manage the project on going?
  1. Do we need to hire people?
26. What if there is a terrorist attack. Could people blow up the tanks and or wells?
  1. What would happen?
  2. How do you prevent it?
27. If there is a decrease in state and federal budgets what and how is this project managed so we know we are safe?
28. How many agencies play a role in managing this project from start through ongoing operations?
  1. What is their accountability?
29. By submitting this information is it kept anonymous so EB does not know who and or where the citizens live in Hermosa?
30. Can the City Council eliminate questions for mitigation?

Thanks  
Dave Andrews  
627 11th Street  
Hermosa Beach, CA 90254

## Yu-Ying Ting

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**From:** Scott Frantz <scott@piersiderealty.com>  
**Sent:** Saturday, August 10, 2013 9:22 AM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns  
**Attachments:** Screen shot 2013-08-10 at 9.09.47 AM.png; ATT00001.htm; Screen shot 2013-08-10 at 8.47.05 AM.png; ATT00002.htm; H2SEmergencyPlan.pdf; ATT00003.htm; chapters.Par.35937.File.pdf; ATT00004.htm

Hi Ken,

I would like to add to the Health and Safety of H<sub>2</sub>S and an evacuation plan part of the scoping. This estimate has it that 25% (or 8 of the wells) will incur H<sub>2</sub>S. A very high risk, very toxic lethal chemical. The surrounding population or most of Hermosa Beach some of Manhattan and or Redondo Beach as well depending on wind direction will be exposed to H<sub>2</sub>S.

I am attaching evacuation plans and guidelines from other oil operations for your reference. Please note in the New Mexico plan the first line states: NO HOMES OR BUILDINGS NEAR THE PROPOSED LOCATION. At ONLY 10 PPM calling for an Emergency they are taking this threat extremely serious and their plan is very thorough. Where is this as part of the Hermosa Beach Project? Should this not dominate the conversation?

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# Permian Drilling Hydrogen Sulfide Drilling Operations Plan New Mexico

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## Scope

This contingency plan establishes guidelines for the public, all company employees, and contract employees who's work activities may involve exposure to hydrogen sulfide (H<sub>2</sub>S) gas.

While drilling this well, it is possible to encounter H<sub>2</sub>S bearing formations. At all times, the first barrier to control H<sub>2</sub>S emissions will be the drilling fluid, which will have a density high enough to control influx.

## Objective

1. Provide an immediate and predetermined response plan to any condition when H<sub>2</sub>S is detected. All H<sub>2</sub>S detections in excess of 10 parts per million (ppm) concentration are considered an Emergency.

would seem that with Hermosa Beaches population density and the proximity of the site would make the emergency evacuation next to impossible. Reading the chart below you can see that if this E&B project had a bad blowout of H2S the evacuation area would be 4.2 miles (including all of Manhattan Beach and all of Redondo Beach) ...even a small issue and release of minor amounts would lead to needing to evacuate within 1 mile.

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**Table 2. Calculated Parameters for Radius of Exposures of Designated H<sub>2</sub>S Releases**

H <sub>2</sub> S Concentration	Gas Escape Rate (scfd <sub>2</sub> )	ROE Concentration (ppm)	
		100 Distance, feet (miles)	500 Distance, feet (miles)
0.04617	4 x 10 <sup>3</sup>	11,153 (2.1)	5,096 (1.0)
0.04617	6 x 10 <sup>3</sup>	17,210 (3.3)	7,864 (1.5)
0.04617	8 x 10 <sup>3</sup>	22,181 (4.2)	10,136 (1.9)

1 At 14.73 psia and 60°F

2 Standard Cubic Feet per Day

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## Hydrogen Sulfide

Hydrogen sulfide gas is found in petroleum and natural gas. Oil or natural gas is considered sour if it has a high percentage of hydrogen sulfide. Natural gas can contain up to 28 percent hydrogen sulfide gas, consequently, it may be an air pollutant near petroleum refineries and in oil and gas extraction areas. The principal source of anthropogenic hydrogen sulfide is as a by-product in the purification of natural gas and refinement of crude oil. Atmospheric releases of hydrogen sulfide represent the most significant public health concern for the geothermal energy industry.

## Properties

Hydrogen sulfide gas is a naturally occurring chemical. The gas has a characteristic rotten egg odor at low concentrations. About half of the population can smell it at concentrations as low as 8 parts per billion (ppb) in air, and more than 90% can smell it at levels of 50 ppb. At higher concentrations, hydrogen sulfide rapidly deadens the sense of smell. For most people, this occurs at approximately 150 ppm.

Hydrogen sulfide is heavier than air, and it often settles in low-lying areas where it can accumulate in concentrations that can injure or kill livestock, wildlife, and human beings. Additionally, hydrogen sulfide has been found to migrate into surface soils and groundwater.

## Sour Gas

As mentioned above, oil or natural gas is considered sour if it has a high percentage of hydrogen sulfide. It has been estimated that **15 to 25% of natural gas in the U.S. may contain hydrogen sulfide**. Worldwide, the percentage could be as high as 30%. It has been reported, as well, that new drilling is increasingly being focused on deep gas formations that **tend to be sour**.

Although the exact number of sour wells are not available, the **EPA has reported** that in the U.S. "the potential for routine H<sub>2</sub>S emissions [at oil and gas wells] is significant."

Releases of hydrogen sulfide from sour gas wells or facilities may occur in a number of ways. **U.S. EPA has collected documentation** of sour gas well blowouts, line releases, extinguished flares, collection of sour gas in low-lying areas, and leakage from idle or abandoned wells that have impacted the public near oil and gas extraction sites. Other possible sources of hydrogen sulfide emissions at sour oil and gas operations are gas venting, and fugitive emissions (leaks) from well head equipment and compressors.

- See more at: [http://www.earthworksaction.org/issues/detail/hydrogen\\_sulfide#.UgZciuDHPaq](http://www.earthworksaction.org/issues/detail/hydrogen_sulfide#.UgZciuDHPaq)

I trust this will be helpful.

Thank you,

Scott

**Scott Frantz**

**310-383-9767**

**Pierside Realty Inc**

**Scott@piersiderealty.com**

**DRE#01291299**

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MAR 15 2013

H2S-1

30-025-41059

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**Permian Drilling  
Hydrogen Sulfide Drilling Operations Plan  
Madera 17 Federal #1H**

Open drill site. No homes or buildings are near the proposed location.

1. Escape

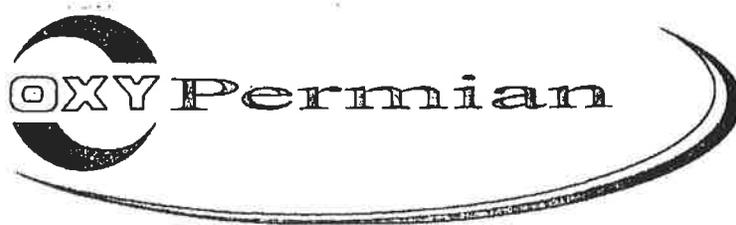
Personnel shall escape upwind of wellbore in the event of an emergency gas release. Escape can take place through the lease road on the Southeast side of the location. Personnel need to move to a safe distance and block the entrance to location. If the primary route is not an option due to the wind direction, then a secondary egress route should be taken.

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## **Permian Drilling Hydrogen Sulfide Drilling Operations Plan New Mexico**

### **Scope**

This contingency plan establishes guidelines for the public, all company employees, and contract employees who's work activities may involve exposure to hydrogen sulfide (H<sub>2</sub>S) gas.

While drilling this well, it is possible to encounter H<sub>2</sub>S bearing formations. At all times, the first barrier to control H<sub>2</sub>S emissions will be the drilling fluid, which will have a density high enough to control influx.

### **Objective**

1. Provide an immediate and predetermined response plan to any condition when H<sub>2</sub>S is detected. All H<sub>2</sub>S detections in excess of 10 parts per million (ppm) concentration are considered an Emergency.
2. Prevent any and all accidents, and prevent the uncontrolled release of hydrogen sulfide into the atmosphere.
3. Provide proper evacuation procedures to cope with emergencies.
4. Provide immediate and adequate medical attention should an injury occur.

**Discussion**

Implementation:	This plan with all details is to be fully implemented before drilling to <u>commence</u> .
Emergency response Procedure:	This section outlines the conditions and denotes steps to be taken in the event of an emergency.
Emergency equipment Procedure:	This section outlines the safety and emergency equipment that will be required for the drilling of this well.
Training provisions:	This section outlines the training provisions that must be adhered to prior to drilling.
Drilling emergency call lists:	Included are the telephone numbers of all persons to be contacted should an emergency exist.
Briefing:	This section deals with the briefing of all people involved in the drilling operation.
Public safety:	Public safety personnel will be made aware of any potential evacuation and any additional support needed.
Check lists:	Status check lists and procedural check lists have been included to insure adherence to the plan.
General information:	A general information section has been included to supply support information.

### Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on the well:

1. The hazards and characteristics of H<sub>2</sub>S.
2. Proper use and maintenance of personal protective equipment and life support systems.
3. H<sub>2</sub>S detection.
4. Proper use of H<sub>2</sub>S detectors, alarms, warning systems, briefing areas, evacuation procedures and prevailing winds.
5. Proper techniques for first aid and rescue procedures.
6. Physical effects of hydrogen sulfide on the human body.
7. Toxicity of hydrogen sulfide and sulfur dioxide.
8. Use of SCBA and supplied air equipment.
9. First aid and artificial respiration.
10. Emergency rescue.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H<sub>2</sub>S on metal components. If high tensile strength tubular is to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling a well, blowout prevention and well control procedures.
3. The contents and requirements of the H<sub>2</sub>S Drilling Operations Plan.

H<sub>2</sub>S training refresher must have been taken within one year prior to drilling the well. Specifics on the well to be drilled will be discussed during the pre-spud meeting. H<sub>2</sub>S and well control (choke) drills will be performed while drilling the well, at least on a weekly basis. This plan shall be available in the well site. All personnel will be required to carry the documentation proving that the H<sub>2</sub>S training has been taken.

#### Service company and visiting personnel

- A. Each service company that will be on this well will be notified if the zone contains H<sub>2</sub>S.
- B. Each service company must provide for the training and equipment of their employees before they arrive at the well site.
- C. Each service company will be expected to attend a well site briefing

## Emergency Equipment Requirements

### 1. Well control equipment

The well shall have hydraulic BOP equipment for the anticipated pressures. Equipment is to be tested on installation and follow Oxy Well Control standard, as well as BLM Onshore Order #2.

*Special control equipment:*

- A. Hydraulic BOP equipment with remote control on ground.
- B. Rotating head
- C. Gas buster equipment shall be installed before drilling out of surface pipe.

### 2. Protective equipment for personnel

- A. Four (4) 30-minute positive pressure air packs (2 at each briefing area) on location.
- B. Adequate fire extinguishers shall be located at strategic locations.
- C. Radio / cell telephone communication will be available at the rig.
  - Rig floor and trailers.
  - Vehicle.

### 3. Hydrogen sulfide sensors and alarms

- A. H2S sensor with alarms will be located on the rig floor, at the bell nipple, and at the flow line. These monitors will be set to alarm at 10 ppm with strobe light, and audible alarm.
- B. Hand operated detectors with tubes.
- C. H2S monitor tester (to be provided by contract Safety Company.)
- D. There shall be one combustible gas detector on location at all times.

### 4. Visual Warning Systems

- A. One sign located at each location entrance with the following language:

**Caution – potential poison gas  
Hydrogen sulfide  
No admittance without authorization**

*Wind sock – wind streamers:*

- A. One 36" (in length) wind sock located at protection center, at height visible from rig floor.
- B. One 36" (in length) wind sock located at height visible from pit areas.

*Condition flags*

- A. One each condition flag to be displayed to denote conditions.

**green – normal conditions**  
**yellow – potential danger**  
**red – danger, H<sub>2</sub>S present**

- B. Condition flag shall be posted at each location sign entrance.

5. Mud Program

The mud program is designed to minimize the risk of having H<sub>2</sub>S and other formation fluids at surface. Proper mud weight and safe drilling practices will be applied. H<sub>2</sub>S scavengers will be used to minimize the hazards while drilling. Below is a summary of the drilling program.

*Mud inspection devices:*

Garrett gas train or hatch tester for inspection of sulfide concentration in mud system.

6. Metallurgy

- A. Drill string, casing, tubing, wellhead, blowout preventers, drilling spools or adapters, kill lines, choke manifold, lines and valves shall be suitable for the H<sub>2</sub>S service.
- B. All the elastomers, packing, seals and ring gaskets shall be suitable for H<sub>2</sub>S service.

7. Well Testing

No drill stem test will be performed on this well.

8. Evacuation plan

Evacuation routes should be established prior to well spud for each well and discussed with all rig personnel.

9. Designated area

- A. Parking and visitor area: all vehicles are to be parked at a predetermined safe distance from the wellhead.
- B. There will be a designated smoking area.
- C. Two briefing areas on either side of the location at the maximum allowable distance from the well bore so they offset prevailing winds perpendicularly, or at a 45-degree angle if wind direction tends to shift in the area.

Emergency procedures

- A. In the event of any evidence of H<sub>2</sub>S level above 10 ppm, take the following steps:
  - 1. The Driller will pick up off bottom, shut down the pumps, slow down the pipe rotation.
  - 2. Secure and don escape breathing equipment, report to the upwind designated safe briefing / muster area.
  - 3. All personnel on location will be accounted for and emergency search should begin for any missing, the Buddy System will be implemented.
  - 4. Order non-essential personnel to leave the well site, order all essential personnel out of the danger zone and upwind to the nearest designated safe briefing / muster area.
  - 5. Entrance to the location will be secured to a higher level than our usual "Meet and Greet" requirement, and the proper condition flag will be displayed at the entrance to the location.
  - 6. Take steps to determine if the H<sub>2</sub>S level can be corrected or suppressed and, if so, proceed as required.
- B. If uncontrollable conditions occur:
  - 1. Take steps to protect and/or remove any public in the down-wind area from the rig – partial evacuation and isolation. Notify necessary public safety personnel and appropriate regulatory entities (i.e. BLM) of the situation.

2. Remove all personnel to the nearest upwind designated safe briefing / muster area or off location.
3. Notify public safety personnel of safe briefing / muster area.
4. An assigned crew member will blockade the entrance to the location. No unauthorized personnel will be allowed entry to the location.
5. Proceed with best plan (at the time) to regain control of the well. Maintain tight security and safety procedures.

C. Responsibility:

1. Designated personnel.
  - a. Shall be responsible for the total implementation of this plan.
  - b. Shall be in complete command during any emergency.
  - c. Shall designate a back-up.

- All personnel:
1. On alarm, don escape unit and report to the nearest upwind designated safe briefing / muster area upw
  2. Check status of personnel (buddy system).
  3. Secure breathing equipment.
  4. Await orders from supervisor.

- Drill site manager:
1. Don escape unit if necessary and report to nearest upwind designated safe briefing / muster area.
  2. Coordinate preparations of individuals to return to point of release with tool pusher and driller (using the buddy system).
  3. Determine H<sub>2</sub>S concentrations.
  4. Assess situation and take control measures.

- Tool pusher:
1. Don escape unit Report to up nearest upwind designated safe briefing / muster area.
  2. Coordinate preparation of individuals to return to point of release with tool pusher drill site manager (using the buddy system).
  3. Determine H<sub>2</sub>S concentration.
  4. Assess situation and take control measures.

- Driller:
1. Don escape unit, shut down pumps, continue rotating DP.

2. Check monitor for point of release.
3. Report to nearest upwind designated safe briefing / muster area.
4. Check status of personnel (in an attempt to rescue, use the buddy system).
5. Assigns least essential person to notify Drill Site Manager and tool pusher by quickest means in case of their absence.
6. Assumes the responsibilities of the Drill Site Manager and tool pusher until they arrive should they be absent.

Derrick man  
Floor man #1  
Floor man #2

1. Will remain in briefing / muster area until instructed by supervisor.

Mud engineer:

1. Report to nearest upwind designated safe briefing / muster area.
2. When instructed, begin check of mud for ph and H<sub>2</sub>S level. (Garett gas train.)

Safety personnel:

1. Mask up and check status of all personnel and secure operations as instructed by drill site manager.

### **Taking a kick**

When taking a kick during an H<sub>2</sub>S emergency, all personnel will follow standard Well control procedures after reporting to briefing area and masking up.

### **Open-hole logging**

All unnecessary personnel off floor. Drill Site Manager and safety personnel should monitor condition, advise status and determine need for use of air equipment.

### **Running casing or plugging**

Following the same "tripping" procedure as above. Drill Site Manager and safety personnel should determine if all personnel have access to protective equipment.

### Ignition procedures

The decision to ignite the well is the responsibility of the operator (Oxy Drilling Management). The decision should be made only as a last resort and in a situation where it is clear that:

1. Human life and property are endangered.
2. There is no hope controlling the blowout under the prevailing conditions at the well.

### Instructions for igniting the well

1. Two people are required for the actual igniting operation. They must wear self-contained breathing units and have a safety rope attached. One man (tool pusher or safety engineer) will check the atmosphere for explosive gases with the gas monitor. The other man is responsible for igniting the well.
2. Primary method to ignite: 25 mm flare gun with range of approximately 500 feet.
3. Ignite upwind and do not approach any closer than is warranted.
4. Select the ignition site best for protection, and which offers an easy escape route.
5. Before firing, check for presence of combustible gas.
6. After lighting, continue emergency action and procedure as before.
7. All unassigned personnel will remain in briefing area until instructed by supervisor or directed by the Drill Site Manager.

**Remember:** After well is ignited, burning hydrogen sulfide will convert to sulfur dioxide, which is also highly toxic. **Do not assume the area is safe after the well is ignited.**

Status check list

Note: All items on this list must be completed before drilling to production casing point.

1. H<sub>2</sub>S sign at location entrance.
2. Two (2) wind socks located as required.
3. Four (4) 30-minute positive pressure air packs (2 at each Briefing area) on location for all rig personnel and mud loggers.
4. Air packs inspected and ready for use.
5. Cascade system and hose line hook-up as needed.
6. Cascade system for refilling air bottles as needed.
7. Condition flag on location and ready for use.
8. H<sub>2</sub>S detection system hooked up and tested.
9. H<sub>2</sub>S alarm system hooked up and tested.
10. Hand operated H<sub>2</sub>S detector with tubes on location.
11. 1 – 100' length of nylon rope on location.
12. All rig crew and supervisors trained as required.
13. All outside service contractors advised of potential H<sub>2</sub>S hazard on well.
14. No smoking sign posted and a designated smoking area identified.
15. Calibration of all H<sub>2</sub>S equipment shall be noted on the IADC report.

Checked by: \_\_\_\_\_ Date: \_\_\_\_\_

Procedural check list during H<sub>2</sub>S events

**Perform each tour:**

1. Check fire extinguishers to see that they have the proper charge.
2. Check breathing equipment to ensure that it is in proper working order.
3. Make sure all the H<sub>2</sub>S detection system is operative.

**Perform each week:**

1. Check each piece of breathing equipment to make sure that demand or forced air regulator is working. This requires that the bottle be opened and the mask assembly be put on tight enough so that when you inhale, you receive air or feel air flow.
2. BOP skills (well control drills).
3. Check supply pressure on BOP accumulator stand by source.
4. Check breathing equipment mask assembly to see that straps are loosened and turned back, ready to put on.
5. Check pressure on breathing equipment air bottles to make sure they are charged to full volume. ( Air quality checked for proper air grade "D" before bringing to location)
6. Confirm pressure on all supply air bottles.
7. Perform breathing equipment drills with on-site personnel.
8. Check the following supplies for availability.
  - A. Emergency telephone list.
  - B. Hand operated H<sub>2</sub>S detectors and tubes.

General evacuation plan

1. When the company approved supervisor (Drill Site Manager, consultant, rig pusher, or driller) determines the H<sub>2</sub>S gas cannot be limited to the well location and the public will be involved, he will activate the evacuation plan.
2. Drill Site Manager or designee will notify local government agency that a hazardous condition exists and evacuation needs to be implemented.
3. Company or contractor safety personnel that have been trained in the use of H<sub>2</sub>S detection equipment and self-contained breathing equipment will monitor H<sub>2</sub>S concentrations, wind directions, and area of exposure. They will delineate the outer perimeter of the hazardous gas area. Extension to the evacuation area will be determined from information gathered.
4. Law enforcement personnel (state police, police dept., fire dept., and sheriff's dept.) Will be called to aid in setting up and maintaining road blocks. Also, they will aid in evacuation of the public if necessary.
5. After the discharge of gas has been controlled, company safety personnel will determine when the area is safe for re-entry.

**Important: Law enforcement personnel will not be asked to come into a contaminated area. Their assistance will be limited to uncontaminated areas. Constant radio contact will be maintained with them.**

**Emergency actions**

Well blowout – if emergency

1. Evacuate all personnel to “Safe Briefing / Muster Areas” or off location if needed.
2. If sour gas – evacuate rig personnel.
3. If sour gas – evacuate public within 3000 ft radius of exposure.
4. Don SCBA and shut well in if possible using the buddy system.
5. Notify Drilling Superintendent and call 911 for emergency help (fire dept and ambulance) if needed.
6. Implement the Blowout Contingency Plan, and Drilling Emergency Action Plan.
6. Give first aid as needed.

Person down location/facility

1. If immediately possible, contact 911. Give location and wait for confirmation.
2. Don SCBA and perform rescue operation using buddy system.

Toxic effects of hydrogen sulfide

Hydrogen sulfide is extremely toxic. The acceptable ceiling concentration for eight-hour exposure is 10 ppm, which is .001% by volume. Hydrogen sulfide is heavier than air (specific gravity – 1.192) and colorless. It forms an explosive mixture with air between 4.3 and 46.0 percent by volume. Hydrogen sulfide is almost as toxic as hydrogen cyanide and is between five and six times more toxic than carbon monoxide. Toxicity data for hydrogen sulfide and various other gases are compared in table i. Physical effects at various hydrogen sulfide exposure levels are shown in table ii.

Table i  
Toxicity of various gases

Common name	Chemical formula	Specific gravity (sc=1)	Threshold limit (1)	Hazardous limit (2)	Lethal concentration (3)
Hydrogen Cyanide	Hcn	0.94	10 ppm	150 ppm/hr	300 ppm
Hydrogen Sulfide	H <sub>2</sub> S	1.18	10 ppm	250 ppm/hr	600 ppm
Sulfur Dioxide	So <sub>2</sub>	2.21	5 ppm		1000 ppm
Chlorine	Cl <sub>2</sub>	2.45	1 ppm	4 ppm/hr	1000 ppm
Carbon Monoxide	Co	0.97	50 ppm	400 ppm/hr	1000 ppm
Carbon Dioxide	Co <sub>2</sub>	1.52	5000 ppm	5%	10%
Methane	Ch <sub>4</sub>	0.55	90,000 ppm	Combustible above 5% in air	

- 1) threshold limit – concentration at which it is believed that all workers may be repeatedly exposed day after day without adverse effects.
- 2) hazardous limit – concentration that will cause death with short-term exposure.
- 3) lethal concentration – concentration that will cause death with short-term exposure.

Toxic effects of hydrogen sulfide

Table ii  
Physical effects of hydrogen sulfide

<u>Percent (%)</u>	<u>Ppm</u>	<u>Concentration</u> Grains <u>100 std. Ft3*</u>	<u>Physical effects</u>
0.001	<10	00.65	Obvious and unpleasant odor.

0.002	10	01.30	Safe for 8 hours of exposure.
0.010	100	06.48	Kill smell in 3 - 15 minutes. May sting eyes and throat.
0.020	200	12.96	Kills smell shortly; stings eyes and throat.
0.050	500	32.96	Dizziness; breathing ceases in a few minutes; needs prompt artificial respiration.
0.070	700	45.36	Unconscious quickly; death will result if not rescued promptly.
0.100	1000	64.30	Unconscious at once; followed by death within minutes.

\*at 15.00 psia and 60'f.

**Use of self-contained breathing equipment (SCBA)**

1. Written procedures shall be prepared covering safe use of SCBA's in dangerous atmosphere, which might be encountered in normal operations or in emergencies. Personnel shall be familiar with these procedures and the available SCBA.
2. SCBA's shall be inspected frequently at random to insure that they are properly used, cleaned, and maintained.
3. Anyone who may use the SCBA's shall be trained in how to insure proper face-piece to face seal. They shall wear SCBA's in normal air and then wear them in a test atmosphere. (note: such items as facial hair {beard or sideburns} and eyeglasses will not allow proper seal.) Anyone that may be reasonably expected to wear SCBA's should have these items removed before entering a toxic atmosphere. A special mask must be obtained for anyone who must wear eyeglasses or contact lenses.
4. Maintenance and care of SCBA's:
  - a. A program for maintenance and care of SCBA's shall include the following:
    1. Inspection for defects, including leak checks.
    2. Cleaning and disinfecting.
    3. Repair.
    4. Storage.
  - b. Inspection, self-contained breathing apparatus for emergency use shall be inspected monthly.
    1. Fully charged cylinders.
    2. Regulator and warning device operation.
    3. Condition of face piece and connections.
    4. Rubber parts shall be maintained to keep them pliable and prevent deterioration.
  - c. Routinely used SCBA's shall be collected, cleaned and disinfected as frequently as necessary to insure proper protection is provided.
5. Persons assigned tasks that requires use of self-contained breathing equipment shall be certified physically fit (medically cleared) for breathing equipment usage at least annually.
6. SCBA's should be worn when:
  - A. Any employee works near the top or on top of any tank unless test reveals less than 10 ppm of H<sub>2</sub>S.

H<sub>2</sub>S-19

- B. When breaking out any line where H<sub>2</sub>S can reasonably be expected.
- C. When sampling air in areas to determine if toxic concentrations of H<sub>2</sub>S exists.
- D. When working in areas where over 10 ppm H<sub>2</sub>S has been detected.
- E. At any time there is a doubt as to the H<sub>2</sub>S level in the area to be entered.

**Rescue**  
**First aid for H<sub>2</sub>S poisoning**

Do not panic!

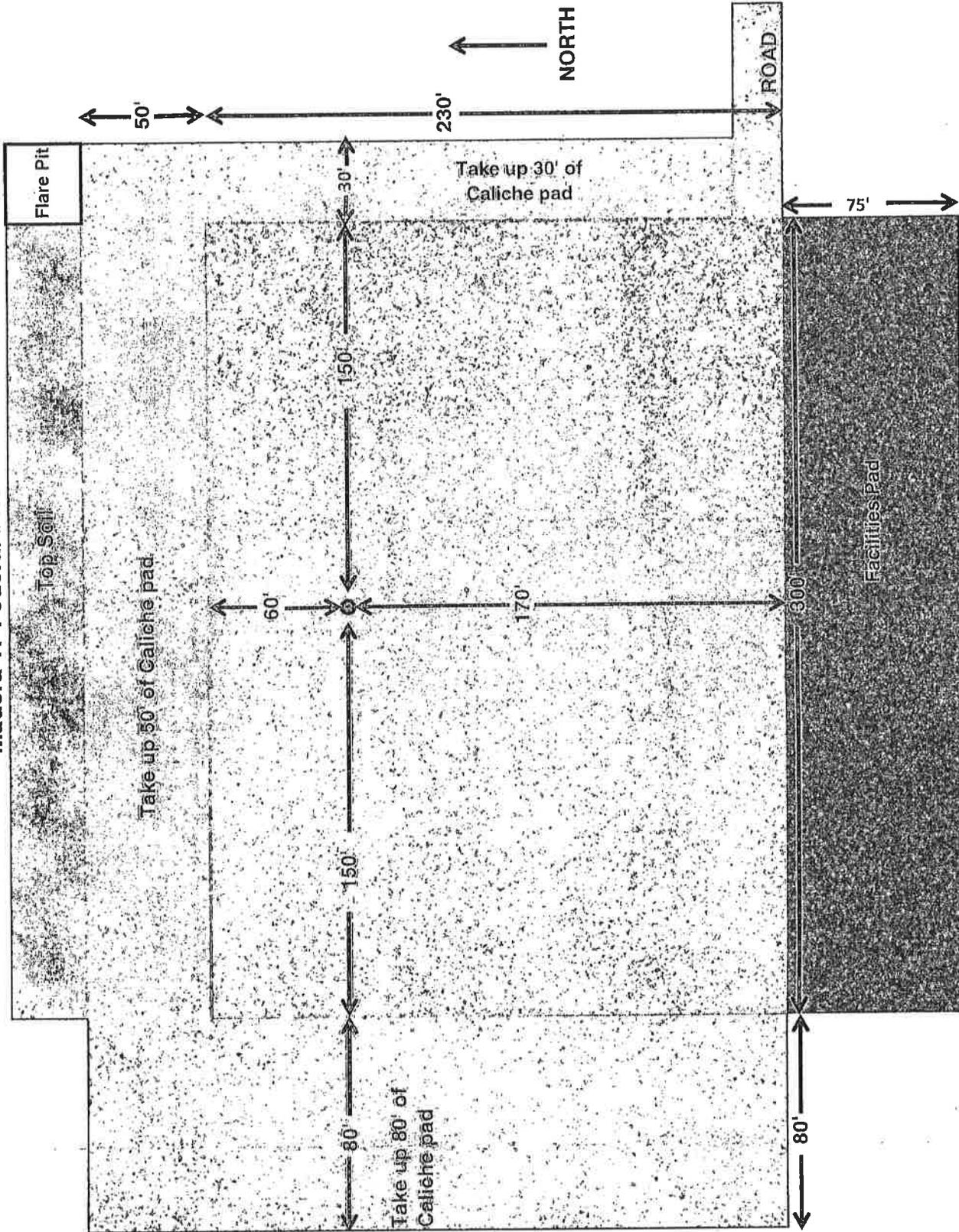
Remain calm – think!

1. Don SCBA breathing equipment.
2. Remove victim(s) utilizing buddy system to fresh air as quickly as possible. (go up-wind from source or at right angle to the wind. Not down wind.)
3. Briefly apply chest pressure – arm lift method of artificial respiration to clean the victim's lungs and to avoid inhaling any toxic gas directly from the victim's lungs.
4. Provide for prompt transportation to the hospital, and continue giving artificial respiration if needed.
5. Hospital(s) or medical facilities need to be informed, before-hand, of the possibility of H<sub>2</sub>S gas poisoning – no matter how remote the possibility is.
6. Notify emergency room personnel that the victim(s) has been exposed to H<sub>2</sub>S gas.

Besides basic first aid, everyone on location should have a good working knowledge of artificial respiration.

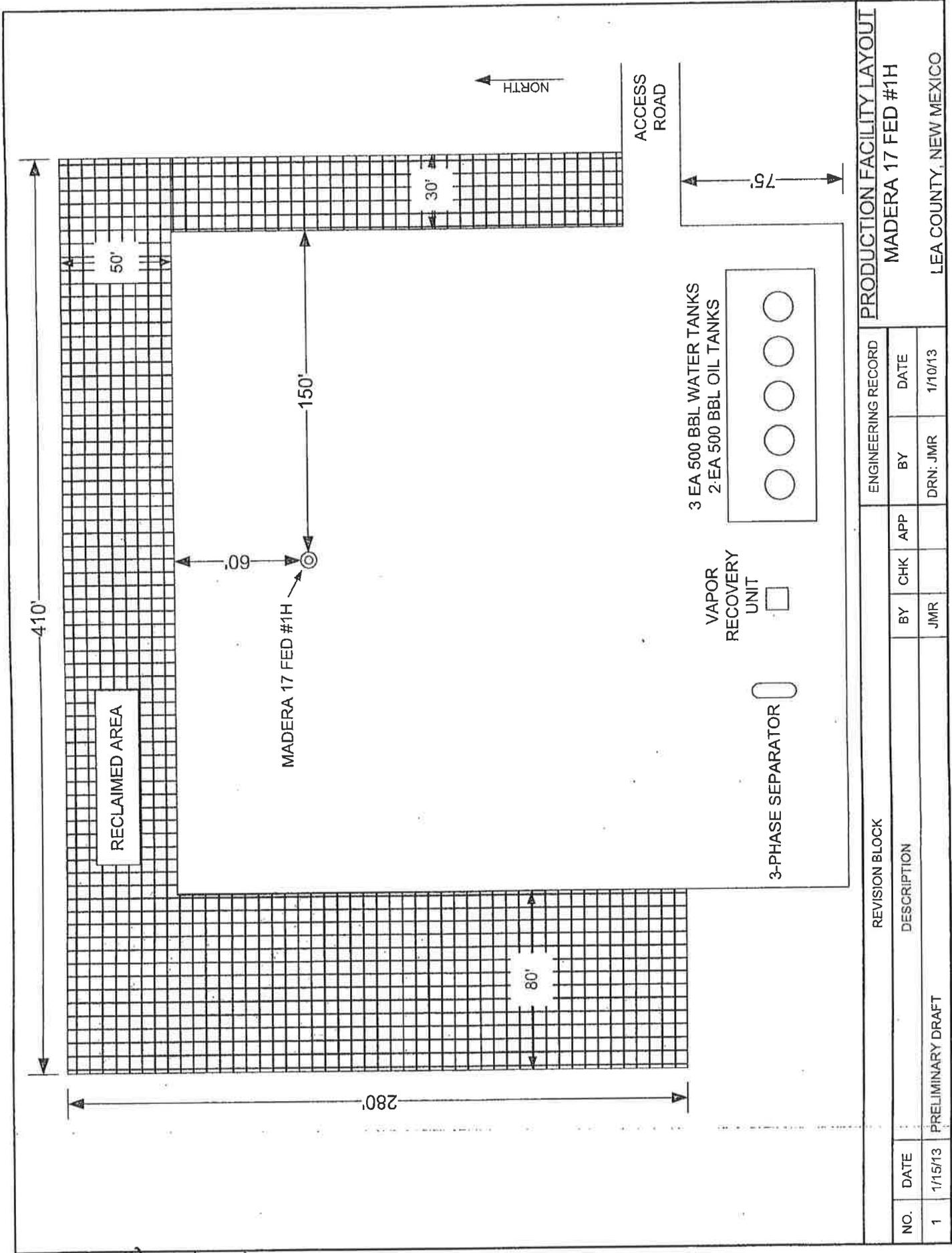
Revised CM 6/27/2012

H & P 477 - V-Door East  
 8' Diameter x 8' Deep Tinhorn Cellar  
 Madera 17 Federal #1H



MS layout

Fac layout



REVISION BLOCK		ENGINEERING RECORD	
NO.	DATE	DESCRIPTION	DATE
1	1/15/13	PRELIMINARY DRAFT	1/10/13

BY: JMR	CHK: JMR	APP: JMR	BY: JMR
DRN: JMR		DATE: 1/10/13	

PRODUCTION FACILITY LAYOUT	
MADERA 17 FED #1H	
LEA COUNTY, NEW MEXICO	

## Yu-Ying Ting

---

**From:** Sharonraepaul@aol.com  
**Sent:** Friday, August 09, 2013 10:01 PM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns

I am not in favor of any drilling in Hermosa. We do not need to take a chance on our environment. I feel that we would be taking a chance on our health and the safety of this community. My vote is no.

Sharon Paul  
1782 Valley Park Avenue  
Hermosa Beach, CA 90254

**RECEIVED**  
AUG 12 2013  
COMMUNITY DEV. DEPT

Yu-Ying Ting

---

**From:** sidra <ladysoul2@gmail.com>  
**Sent:** Friday, August 09, 2013 7:53 PM  
**To:** Ken Robertson  
**Subject:** Fwd:

RECEIVED

AUG 12 2013

COMMUNITY DEV. DEPT

PART 2

my  
computer is on its last legs and sent this before i was finished.

----- Forwarded message -----

**From:** sidra <ladysoul2@gmail.com>  
**Date:** Fri, Aug 9, 2013 at 7:43 PM  
**Subject:**  
**To:** [krobertson@hermosabch.org](mailto:krobertson@hermosabch.org)

i have expressed much of this already. first, E&B has minimal insurance in case of problems, accidents, or, catastrophes. (we know the city has no liability here.)

worked 35+ yrs in a high stress, high profile career. my home here in HB is a life long dream that i was able to accomplish. ting.he thought that thru some idiots' decisions 30+ yrs ago could/might result in my loosing all i have terrifies me.

i live on Monterey and 6th. i couldn't get any closer to the drilling site.

the noise, smells, drilling, air that will impact me horrify's me.

all the technical issues are known. go to the Stop Oil facebook site and you will see how i feel. so i am expressing my emotional issues here.

daily we see spills in the news. just a few days ago in Thailand. what in the hell will we do if/when that happens here. wipe up the mess with mops ? G-d help us.

why screw up this "dream come true" city. the folks that live here are passionate about this city. think of what it will be like if something happens here. it's always about money.

how can anyone possibly believe an oil company ? we all know this exact company already screwed up. what the F--K else do we need to know. it's not like E&B has never failed, they have.

it is incomprehensible to me that we would even be considering this. what a huge waste of time, money, energy, spirits this has been. altho i must say i have met more of my neighbors. isn't that how people unite, when they have a common enemy ?

please do whatever your job requires you to do. i understand you will be developing the verbiage for the ballot. kindly keep us in mind. i realize you must be unbiased, but in some way you will and do have influence.

**PLEASE USE YOUR INFLUENCE WISELY.**

thank you for your time.

Respectfully submitted,

Sidra Wieder

618 Monterey Blvd

310-937-9770

[ladysoul2@gmail.com](mailto:ladysoul2@gmail.com)

## Yu-Ying Ting

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**From:** Lynne Pope <popelynne@gmail.com>  
**Sent:** Friday, August 09, 2013 7:08 PM  
**To:** Ken Robertson  
**Subject:** Scope of the Environmental Impact Report - Comments and Concerns

I have real concerns about real estate values in the areas affected directly - visual, smell, sound along with health and safety. That continues as a divide to make some of Hermosa not as affected as others, creating barrier of them and us which is not good for this small city. ( as it were...across the tracks)

How do you propose to have subsidence monitoring stations all over what do they look like where will they be placed, what electrical, sounds sight will be there, How are they serviced?  
How often are they monitored?

IF EB goes bankrupt and is no longer honoring or able to honor its commitment to Hermosa Beach, what is the result? I once bought a new home and the builder went bankrupt, there was a problem and it was only our insurance that had to step up.

I would like to see an actual underground plan that shows all the lines and connectors,

I know there will be more questions. The biggest one is HOW do we get E&B to leave?  
Somebody help us with that one. I hope we can write a check asap.  
I hope they sell off something and prove they are not is debt to E&B anymore.

How do we get real answers not just a debate that subsidence is not an issue. It is and its real and all the arguing is just stupid. Its like saying there is no global warming, No Hitler, no problem.

We need some more professionals on our team... Not just you. because you are..actually paid for and indebted to their team.

Lynne Pope

--

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AUG 12 2013

COMMUNITY DEV. DEPT

**LYNNE POPE 310,863,7582**



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