The image shows an oil pumpjack in the foreground, its black metal structure extending from the left side. A chain-link fence runs across the middle ground, separating the viewer from the well. In the background, a residential neighborhood with several houses is visible on a hillside under a clear blue sky. The pumpjack's arm is angled upwards, and a yellow tag with the number '5' is visible on its base.

**What we don't
know about
fracking...**

**Can cost us our health, our homes
and even our lives**

What is the IOF Specific Plan Project?

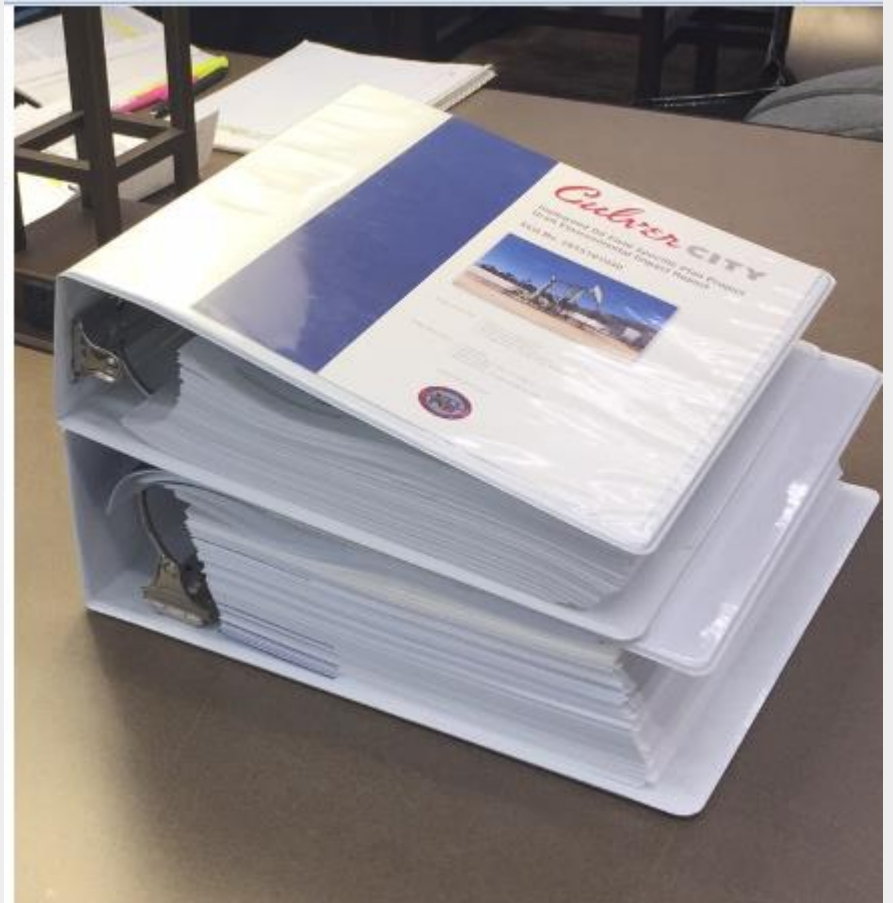
The City IOF Specific Plan is a proposal to allow drilling up to 30 new wells in Culver City over a 15 year period.

The Draft Drilling Regulations are “designed to protect the public health, safety, welfare and environment of the city and...”

The draft Environmental Impact Report (EIR) identifies significant environmental effects and possible mitigations

Culver City Inglewood Oil Field Specific Plan Project

Draft
Environmental Impact Report



Are the Oil Fields Safe?

- 2006 Gas Leak → Noxious fumes and evacuations
- 2010 Dog Park Incident – Methane gas and flooding
- Ross Store Explosion
- Close proximity to Baldwin Hills Overlook, Nature Center, Blair Hills, Bill Botts field, schools, parks, etc.

Are the Oil Fields Safe?

Home > Weekly Features > Dog park closed due to gas leak >

Dog park closed due to gas leak

Franco Te | Thu, Oct 21 2010 11:35 AM



Photo by Lori Fusaro

A methane gas leak and flooding prompted authorities to temporarily close the Boneyard, Culver City's dog park. Officials said the gas does not pose a risk to public health or safety.

After an investigation into the cause of the seepage and gas leak, the City demanded that Plains Exploration Production Company (PXP) and Atlantic Oil fix the abandoned well. The companies accepted responsibility and agreed to make repairs.

The Boneyard will remain closed until all repairs are done to the satisfaction of all concerned parties. It was estimated that repairs would

Tsunami Danger

Fracking →

Earthquake →

Tsunami

Santa Monica to
Palos Verdes



LETS WORK TOGETHER AND
STOP
THESE DANGERS
NOW!

We have the Resources!

Culver City has:

An educated, informed population

- with 50 % of adults college educated
- 27% of CCUSD families have advanced degrees

And, with your involvement, the city is ready to mobilize for environmental safety!

Lets look at some
facts...

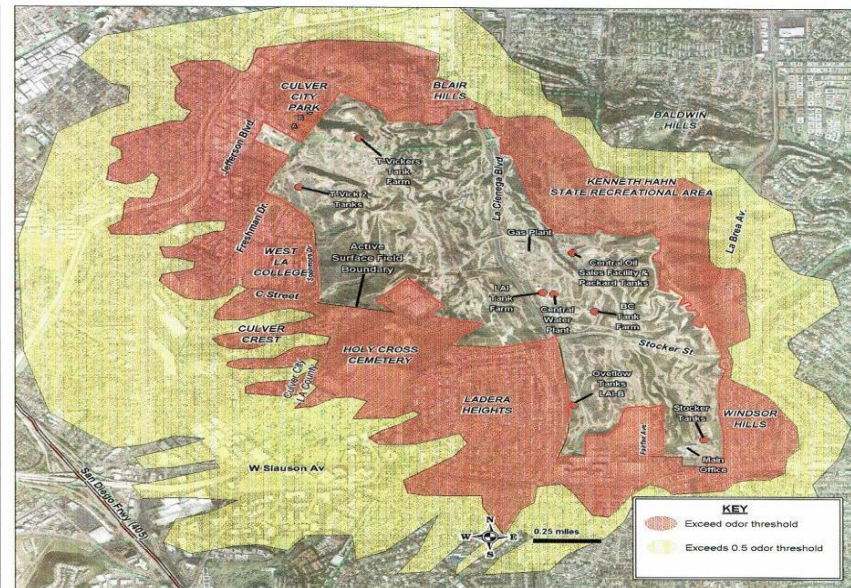
Drilling Mud Release Odor Scenario Potential Impacts

Key:

Red: exceeds odor threshold

Yellow: exceeds 0.5 odor threshold

Figure 4.2-5 Drilling Mud Release Odor Scenario Potential Impacts



**What types of risks does
this expose us to?**

Safety Gear

Chemical (PPE) suit.

Also....

- Fire Suit
- Helmet
- Face Shield



Accidents Happen!

Caught on Camera

This truck flipped its trailer, spilling thousands of gallons of diesel fuel into the soil.



April 2017: Pipeline Explosion, Firestone, Colorado

Home Destroyed: Two dead, one injured.



media credit: Joel Dyer

The only thing spared by the explosion and fire at the Martinez home in Firestone, Colorado on April 17, 2017.

We can make a difference!

Together let's demand

Oil & Gas regulations that protect
our community!

HOW?

We can change the rules -

By making two reasonable
and lawful demands:

Demand # 1:

That Culver City Oil & Gas regulations require a minimum of a 2500 foot setback from “sensitive receptors” such as homes, schools, and places where people recreate or worship.

Demand #2:

A minimum of \$2.5 billion dollar surety bond (accident insurance) from a AAA credit rated company for probable cause for any accident or earthquake.

Why?

Oil and Gas Operations use hundreds of hazardous chemicals.

Toxins are released into the air through drilling, operation of diesel or gas powered equipment, and other activities.

Public Health and Safety Risks of Oil and Gas Facilities in Los Angeles County

Los Angeles County Department of Public Health
February 2018



Public Health and Safety Risks of Oil and Gas in LA County

By **LA County Dept. of Public Health**

Focus LA County including the
Inglewood Oil Field in our backyard

Over **300 chemicals** are used in oil drilling.

→ public health issues if not properly controlled.

Toxic Air Contaminants (TAC)

Nitrogen oxides – NO_x

Carbon monoxide - CO

Volatile organic compounds (VOCs)

including **Benzene**, a known carcinogen

Toluene, ethylbenzene, xylene, hexane, and polycyclic aromatic hydrocarbons

Diesel particulate matter (PM_{2.5} and PM₁₀ - particulate matter with a 10-micron diameter or less)

Particulate Matter

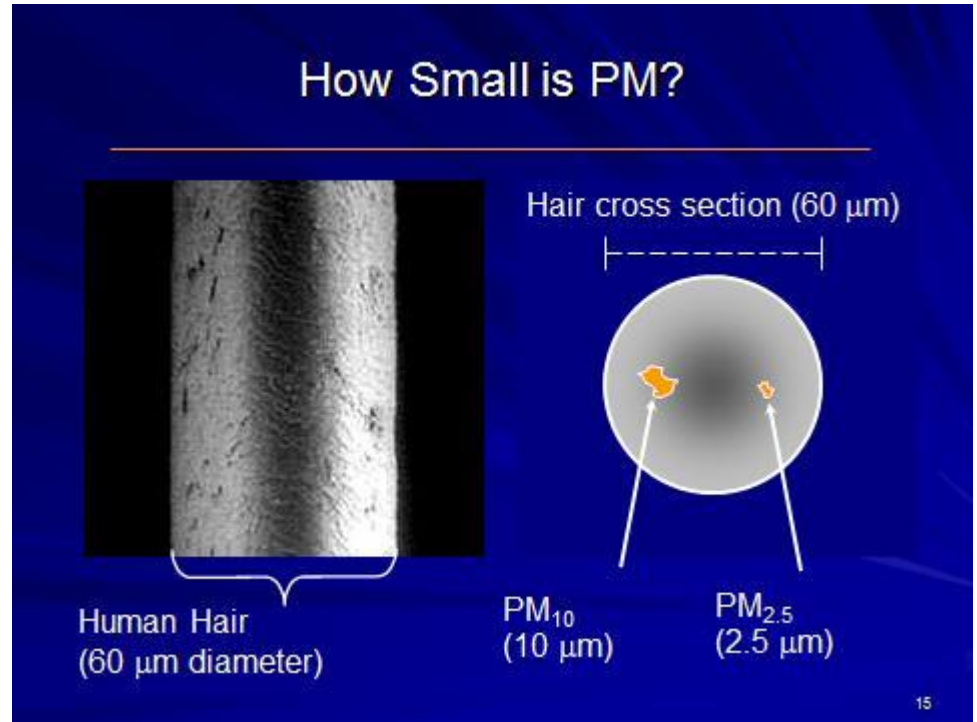
What is airborne PM?

- A mixture of chemicals

Why are we concerned?

- Inhaled and cause a wide range of adverse health impacts

- Adversely effects climate and eco-systems – warming and cooling



According to the draft EIR under review:
Approx. 80% of the **cancer risk** under the proposed project is from the diesel PM emissions, mostly from well drilling.

- Diesel particulates are also assoc. with health effects including: premature death, heart and lung disease

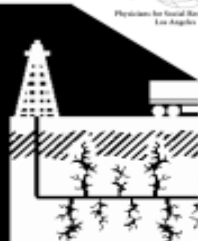
HEALTH EFFECTS OF CHEMICALS USED IN FRACKING

INFOGRAPHIC BY PHYSICIANS FOR SOCIAL RESPONSIBILITY-LOS ANGELES | WWW.PSR-LA.ORG
 BASED ON "NATURAL GAS OPERATIONS FROM A PUBLIC HEALTH PERSPECTIVE" | WWW.ENDOCRINEDISRUPTION.ORG
 COLUMB, THIED ET AL. "NATURAL GAS OPERATIONS FROM A PUBLIC HEALTH PERSPECTIVE." HUMAN AND ECOLOGICAL RISK
 ASSESSMENT: AN INTERNATIONAL JOURNAL. 17(2) 2012: 1009-1016



BY THE NUMBERS

- 980** NUMBER OF FRACKING CHEMICAL "PRODUCTS" WE KNOW ABOUT
- 649** NUMBER OF CHEMICALS IN THE 980 FRACKING "PRODUCTS"
- 90%** "PRODUCTS" CONTAINING CHEMICALS THAT HAVE ADVERSE HEALTH EFFECTS
- 43%** "PRODUCTS" THAT WE KNOW LESS THAN 1% OF THE CHEMICALS IN THEM



WHAT'S A "PRODUCT"?



A PRODUCT MAY CONTAIN MORE THAN ONE CHEMICAL. A CHEMICAL MAY BE IN MORE THAN ONE PRODUCT.

FOR THE 60% OF FRACKING CHEMICALS WE CAN IDENTIFY



58%
SOLUBLE IN WATER

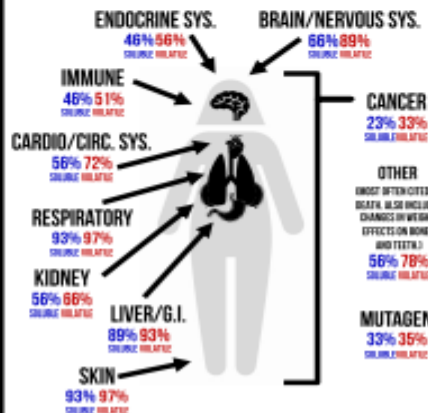


36%
VOLATILE
SMALLER PERCENTAGE, BUT BIGGER IMPACT. THESE CHEMICALS CAN BE INHALED, SWALLOWED, AND/OR ABSORBED THROUGH THE SKIN

ALL INFO FROM THE HUN PROJECT — FRACKING FOR AMERICA'S STOMACH (AND BEYOND) — GARDEN, HEART, COFFEEHOUSE, PLEASE, LUNCH, JUNK FOODS — BROWN, WATER DROP, EYE, MINDFUL, CLOUD, JAM-ETTER, TON, SWEETEN, CLOUD, JAM-ETTER, BROWN, BROWN, JEST PRIDE

BODY SYSTEMS AFFECTED BY FRACKING CHEMICALS*

SHOWN WITH % OF CHEMICALS AFFECTING EACH BODY SYSTEM (SOLUBLE CHEMICALS IN BLUE AND VOLATILE CHEMICALS IN RED)



CHEMICALS WITH A "CAS" NUMBER

WHAT'S A "CAS" NUMBER?



A "CAS" NUMBER IS A UNIQUE NUMBER ASSIGNED TO EACH CHEMICAL, DESCRIBED IN A PAPER SCIENTIFIC LITERATURE.

Documented Health Effects:

- ASTHMA and other Respiratory problems, eye, bloody nose, headaches, and throat irritations,
- Learning Disorders due to endocrine disruptors
- Cancers, including leukemia

Documented Health Effects (Con't)

Adverse pregnancy/birth outcomes,

- miscarriage, preterm births, birth defects

Neurologic, gastrointestinal, dermatologic
and psychological effects

Severe health effects are well documented in
the case of disaster events such as spills or
explosions

California Environmental Quality Act CEQA

What is CEQA?

How can it help protect you?

Steps for Effective Action

Step #1

Talk to family & friends.
Get them involved!

Step #2

Raise awareness, share information:

Peoples' Fracking Forum &
Comments Write-in
Grace Lutheran Church
4427 Overland Blvd

Step #3

WRITE COMMENTS & COLLECT WRITTEN COMMENTS

from friends & others & turn them in
before 5:00 PM
to the City Attorney's office
Wednesday, March 14th

Be sure your comments request:

- a minimum 2500' setback from sensitive receptors
- a minimum \$2.5 billion dollar disaster insurance bond

And any other requests or concerns

Promote Democracy! Get Involved!

Please sign up to help get the word out.

On the cards provided - clearly print:

- Your Name**
- Email & text #**

Submit written comments by email to:
Heather Baker, Assist. City Attorney

IOFSpecificPlanProject@CulverCity.org

Subject: Inglewood Oil Field Specific Plan Project