STAND TOGETHER AGAINST NEIGHBORHOOD DRILLING
All is Not Well
South LA Communities' Journey to End Oil/Gas Extraction in our Neighborhood
Land use within 1,500 feet of new and active wells in Mid City Los Angeles

(Data from Southern California Association of Governments, 2012)
Jefferson Drill Site
Parked a few feet away from bedroom windows, two tanker trucks pump 10,000 gallons of toxic acid and chemicals into a well with no notice to residents.
Workers in head-to-toe protective gear stand behind red DANGER tape while residents a few feet away receive no notice.
“DANGER! …
Harmful if inhaled. Suspected of damaging fertility or the unborn child.”
Adjacent House Sprayed with Oil
March 2016 - Chemco Odor Control Jasmine used to mask hydrogen sulfide (H₂S) and contains endocrine disrupting chemical ingredients.
Chemicals Store on Site

- BREXIT EC2005A: Combustible, possible carcinogen, central nervous system damage
- WT-1121: Hazardous combustion products
- SURFATRON DQ-86: May cause damage to unborn child and fertility
- NALCO EC6019A Water Clarifier: Encourge disruptor, kidney damage, teratogenic, Prop 65 Carcinogen
- CORTRON WRN-211 or SW-211: Corrosive to skin, fatal if inhaled, damages organs, flammable, Prop 65 Air Toxin
March 2016 - Chemco Odor Control Jasmine used to mask hydrogen sulfide (H₂S) and contains endocrine disrupting chemical ingredients.
Odor Complaints Ignored or Mitigated

- 18 odor complaints
  - Foul odors and noise, several people were getting headaches and feeling nauseous
- Arrived an hour later and notified operators before coming
- By AQMD rules failed to meet “threshold” for an AQMD Odor Complaint
Jefferson Drill Site
- People not Pozos Eperanza Community Housing
<table>
<thead>
<tr>
<th>Rank</th>
<th>Substance</th>
<th>Hazardous Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Crystalline Silica</td>
<td>Harmful to skin, eyes and other sensory organs, respiratory system, immune system and kidneys; mutagen. Known human carcinogen.</td>
</tr>
<tr>
<td>2</td>
<td>Methanol</td>
<td>Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive and cardiovascular system; mutagen, developmental inhibitor and endocrine disruptor.</td>
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<tr>
<td>3</td>
<td>Hydrochloric Acid</td>
<td>Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, immune system, cardiovascular system and blood.</td>
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<tr>
<td>4</td>
<td>Hydrofluoric Acid</td>
<td>Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor.</td>
</tr>
<tr>
<td>5</td>
<td>2-Butoxy Ethanol</td>
<td>Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor and endocrine disruptor; linked to liver cancer. Also linked to adrenal tumors.</td>
</tr>
<tr>
<td>6</td>
<td>Ethyl Glycol (Monobutyl Ether)</td>
<td>Harmful to skin, eyes and other sensory organs, respiratory system, gastrointestinal system and liver, brain and nervous system, immune system, kidneys, reproductive system and cardiovascular system; mutagen, developmental inhibitor, and endocrine disruptor; linked to liver cancer.</td>
</tr>
<tr>
<td></td>
<td>Chemical Name</td>
<td>CAS</td>
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</tr>
<tr>
<td>7</td>
<td>Xylene</td>
<td>10</td>
</tr>
<tr>
<td>8</td>
<td>Amorphous Silica Fume</td>
<td>7</td>
</tr>
<tr>
<td>9</td>
<td>Aluminum Oxide</td>
<td>7</td>
</tr>
<tr>
<td>10</td>
<td>Acrylic Polymer (Acid)</td>
<td>6</td>
</tr>
<tr>
<td>11</td>
<td>Acetophenone</td>
<td>6</td>
</tr>
<tr>
<td>12</td>
<td>Ethylbenzene</td>
<td>6</td>
</tr>
</tbody>
</table>
Murphy Drill Site

Rev. Kelvin Sauls

Senior Pastor – Holman United Methodist Church
Population Density

Jefferson Park & Kinney Heights
- 16,300 people per square mile
- Among the highest densities for the City & County of Los Angeles
Protecting Community Health and the Environment:

Decision making for public health action
Echos and Early Warnings...

- What’s the real reason there’s so much asthma in my neighborhood?
- Why do I suddenly have asthma?
- Why is my child getting nightly nosebleeds?
- It seems a lot of people in my neighborhood have cancer.
- I have lost my sense of smell.
- What is causing my headaches?
- What is the thing we should be doing to get rid of asthma, cancer, air pollution, low birth weight, learning disabilities?
Science in Public Health Decision Making

Acting on Early Warnings
Cigarettes and lung cancer
when do we act

- 1945—Ochsner—Incidence rises together
- 1950—Doll & Hill—case-control study
- 1953—Wynder—tar causes cancer in mice
- 1954—Follow up studies show association, and that greater exposure > greater risk

- 1990s—biological mechanism(s) described (genetic factors; mutations)
Questions to ask:

- At what year would you urge your child not to smoke?
- When would you advocate that cigarette smoking be banned in public places?
- When would you hold tobacco companies legally accountable for the effects of smoking?
My cup overflows with your blessings.

Burdens
Bullard’s New Environmental Justice Framework

1. Ground the framework on the principle that all individuals have the right to be protected from environmental degradation.

2. Also ground the framework on the precautionary principle to protect workers, communities, and ecosystems.

3. Shift the burden of proof to polluters and dischargers who do harm, who discriminate, and/or who do not give equal protection to all racial and ethnic groups.

4. Adopt a public health model of prevention as the preferred strategy to eliminate a threat before it occurs.
What is the precautionary principle?

Wingspread Statement (1998): “When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically.”
Magnified Impacts due to Proximity and Population Density

Approximately 1.7 million people live within one mile of an active oil and gas well. More than 32,000 people live within 100 meters. Studies from outside CA indicate that exposures to toxic air contaminants are most significant within ½ a mile from active oil and gas development.

Oil and gas operations release large amounts of reproductive, immunological, and neurological toxins, carcinogens, and endocrine disrupting chemicals (EDCs).
Making decisions based on what we cherish
failure (fălˈyər). n. 1. a system of failure; lack of success; lack of quality; an insolvency.
This is an inherently dangerous practice occurring dangerously close to people and poses an unacceptable risk for a practice for which we have alternatives.
Los Angeles Needs Health and Safety Buffer Zones to protect human health, the environment and future generations.
And we need ways to keep more hydrocarbons in the ground.
Credits

- Thanks to
- Niki Wong
- Richard Parks of Redeemer Community Partnership