

for the Medical Sector, Life Sciences & Industry - 1. Oct., 2008, Vol. 14

Don't you want to improve your technical English skills & comprehension? Then test your understanding by reading the text below, and use the 'Questionnaire link' to answer questions that are based on the text. We have selected certain key words or phrases, placed them into *italics*, and will appear in the Questionnaire. Please send your answers ⇒ **LTE Newsletter Editor**.

'Save the Environment vs. Drill, Baby, Drill!'

Sources: NY Times excerpts from article by Robert Hahn & Peter Passell, Sept. 13, 2008

(Note: Concerning the upcoming US '08 election, several of our readers requested a topic on it, and so we have selected this particular one. We do hope from reading & responding to its questions, you will gain a further appreciation for the various ways technical English language can be applied, which is a goal for our **LTE Newsletter** subscribers.)

THE audience's mantra at the Republican National Convention was "drill, baby, drill!",

which reflected deep frustration with Washington's decision to lock down tens of billions of barrels of oil under American territory in an era of \$4-a-gallon gasoline. Whatever the merits of his argument, Sen. Obama's, the Democratic Party's presidential nominee responded that "drilling is a *stop-gap* measure, not a long-term solution" won't make the sting go away as long as it costs \$100 to fill the tank of a pickup truck.

The *crux of the matter* is how accelerated drilling would affect gas prices, now and in the long term. And the conclusions of our latest research aren't likely to please true believers on either side. We found that full-speed-ahead *exploitation* of the restricted oil reserves would lower prices at the pump by a few cents at most. Nonetheless, it's equally clear that the failure to develop these oil resources would cost the state and federal governments hundreds of billions of dollars in royalties and taxes. It would also, paradoxically, pass up an opportunity for a grand bipartisan bargain that could preserve or restore huge swaths of wilderness that are a top priority of serious environmentalists.

Our projections are based on government estimates that some seven billion barrels of oil could be extracted from the Arctic National Wildlife Refuge and a *whopping* 11 billion *barrels* could be had from the restricted offshore sites. That translates into an extra million barrels a day in the year 2025 — one-sixth of the total projected domestic output.

A big deal, right? Not in the context of the current political debate. The markets in which oil prices are determined are global, not local, and the extra million barrels would represent <1% of total world *consumption* in 2025. Thus we estimate that the million daily barrels would lower the price of crude by just 1.3%, which few consumers would even detect against the background noise of the weekly ups and downs of fuel prices. Assuming that crude will still be selling for \$100 a barrel down the road, we estimate that the oil from two new sources would be worth close to \$1.85 trillion.

Add to that the extra benefit to consumers of paying slightly less for imported oil and economic gains from being less vulnerable to supply *disruptions*, and the total benefit exceeds \$2.1 trillion. For better or worse, "drill, baby, drill" is now widely viewed as the cure for what ails. Giving the public what it wants wouldn't lower gas prices by any meaningful amount, but in our opinion, it would create an opportunity to move public opinion in the direction of better economic decisions.

1. Saudi Arabia	10.7 mil.	Top 10 oil producing Nations
2. Russia	9.7 mil.	
3. United States	8.4 mil.	
4. Iran	4.1 mil.	
5. China	3.9 mil.	
6. Mexico	3.7 mil.	
7. Canada	3.3 mil.	
8. United Arab Emirates	2.9 mil.	
9. Venezuela	2.8 mil.	
10. Norway	2.8 mil.	

1. United States	20.6 mil.	Top 10 oil consuming Nations
2. China	7.3 mil.	
3. Japan	5.2 mil.	
4. Russia	2.9 mil.	
5. Germany	2.7 mil.	
6. India	2.5 mil.	
7. Brazil	2.3 mil.	
8. Canada	2.2 mil.	
9. South Korea	2.2 mil.	
10. Saudi Arabia	2.1 mil.	

Check your understanding on the above text & chart.



If you click on the LTE Newsletter's 'Questionnaire link', you will find questions to answer. Then please send your answers to the LTE Editor, Steven L. Hanft. We look forward to helping you to improve your technical English skills!

Round-the-World Life Science News & Updates

Pharmaceutical

FDA lists Drugs with potential safety issues; In-Pharma Technology, Sept. 9, '08

A list of drugs currently being evaluated for potential safety issues by the US Food and Drug Administration (FDA) has been posted on its website. The list has been published under laws brought in last September that require the FDA to inform the public of new safety information or potential signals of serious risk.

Information is to be published each quarter detailing drugs that have been identified as having potential safety issues based on reports in the FDA's Adverse Event Reporting System (AERS). Listed this quarter are 20 drugs along with the potential associated safety issue. Included on the list are heparin, Tysabri (natalizumab) & Cymbalta (duloxetine).



"Yes, it's true, we do deliver anywhere in the city within 15 minutes."

Dermatology

Researchers create Drug Delivery Nano-emulsions; Allured's C&T Journal, Sept. 10, '08

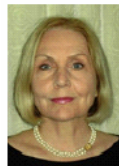
Researchers at the University of California Los Angeles (UCLA) have created nanoscale droplets that can be used to deliver ingredients to skin. As reported in the Sept. 4, 2008, edition of *Nature*, the droplets are smaller than the human cell, allowing them to penetrate the skin to deliver ingredients such as pharmaceuticals.

A double emulsion was created by Timothy Deming, professor and chair of the UCLA department of bioengineering, and his team, where a water droplet was located inside an oil droplet in water. The researchers were able to make these molecules stable at a sub-100-nanometer size range, a feat reportedly done for the first time.

CONUSBAT acting as R.E.A.CH. 'Only Rep.' Q&A sessions and Sept. '08 update

The Cosmetics & Toiletries' REACH Question & Answer Round Table with Dr. Annelie Struessman, Technical Director CONUSBAT & REACH 'Only Representative' is now online.

[Click ⇒ C&T.com | Reach Roundtable](#)



Struessman

Annelie Struessman, PhD CONUSBAT

Annelie Struessman, PhD, is technical director of CONUS Business, Advice & Training (CONUSBAT). She has more than 20 years of industry experience in regulatory affairs and products safety, application and product R&D, and technical marketing. Struessman's areas of expertise include cosmetics and personal care, detergents and household cleaners, fragrances, food and nutrition, and pharmaceuticals.

Struessman is the author of REACH Update, a regulatory column appearing in both *Cosmetics & Toiletries* magazine and *C&T Today* monthly. She also fields questions on REACH regulation on C&T magazine online's [REACH Round Table](#).

If you'd like to share this LTE Newsletter with friends & colleagues, feel free to forward this issue and invite them to subscribe for their own next issue (no fees involved!).



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