这是一封埃克森美孚电脱盐主管 José Simonetty写的， 关于巴西石油公司应用Agar电脱盐控制系统经历的电子邮件原文：

我是埃克森美孚3个全球电脱盐专家之一， Gary Fransen希望我和大家分享一下埃克森美孚使用Agar电脱盐控制系统的经历。

我是“发展最优电脱盐操作”的创始人之一。多年来，Agar探针的使用被认作是最好的仪表。原因是对于形成乳化的重油，它的效果最佳。我们在一些电脱盐系统上也安装了电容式液位计，但是都无法探测出乳化层的大小变化。其中有一个特例是某电脱盐罐下方两块极板跳闸了，但是电容式探针什么也没有发现。Agar探针提前给出了报警，但是我们决定给电容式液位计一个响应的机会，但它没有做到。

埃克森美孚在全球范围内将Agar电脱盐控制系统作为标准已经10年了，因为它有独特的减少废水中含油的能力，同时能够在乳化向上增长威胁到极板安全之前提供早期预警。上部乳化监控探针的输出还可以用作破乳剂的优化。

过去，浮子型，置换型， DP cells，窥镜型， Drexelbrook电容式液位计都用于电脱盐系统。但是当原油板岩变大时，由乳化现象引起的问题使这些传统的方式无法准确测量。

而Agar电脱盐控制系统可以消除大部分的排水含油问题，极大的减少了废水处理系统中油的总量。

过去两年内我们在Baytown电脱盐厂安装了8套电脱盐控制系统。他们工作的非常好。

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在委内瑞拉的重油项目（ API 重力 = 15），Agar系统一直处于良好的自动控制状态。甚至是非常重的原油，探针也免维护的运行了5-6年了。委内瑞拉有两个电脱盐罐也安装了电容式液位计，但是它们对于乳化高度改变的响应非常慢。所以我们也不依靠电容式液位计了。

在新奥尔良的一个炼化厂我们有5个API 重力 = 16的电脱盐罐。Agar探针也运行的很好，每6年做一次维护。

我们选择Agar产品的另一个主要原因是它们一直在正常运转，只需要一点或根本不需要维护和保养。

我写这个邮件的原因是感谢Agar产品改进了我们的操作，回报它们的技术和服务。如果有什么关于Agar电脱盐控制系统的信息及问题，可以随时联系我，办公室电话：（281）834-0749，或者手机（281）507-0715.

Below is an e-mail that one of the Exxon Desalter Gurus (José Simonetty) wrote for Petrobras in Brazil describing his experience with the Agar Desalter Control System

-----Original Message-----
From: jose.simonetty@exxonmobil.com [mailto:jose.simonetty@exxonmobil.com]
Sent: Tuesday, November 25, 2008 10:22 PM
To: daniel.menghi@metroval.com.br
Subject: Desalter Interface Control at ExxonMobil

Daniel:
I am one of 3 global desalter specialist at ExxonMobil. My homebase is in Baytown, Texas. Gary Fransen requested that I share with you our experience at ExxonMobil with Agar probes for desalter interface control.
I am one of the authors that develops best practices for desalter operation. The use of Agar probes has been accepted for many years as the best instrument. The reason for this is that for heavy crudes that form emulsions, they work best. We have installed capacitance probes in some of our desalters, and they do not tell us what is happening to the size of the emulsion. In one particular case we shorted out the bottom 2 grids of a Bilectric desalter, and the capacitance probe saw nothing. The Agar probe gave us the early warning, but we decided to give the capacitance probe a chance to respond. It never did.
ExxonMobil has standardized on the Agar Desalter Control System worldwide about 10 years ago because of it unique ability to reduce hydrocarbon undercarry with the waste water and provide early warnings of emulsion growth upwards towards the grids before upsets occur. The output from the upper/emulsion probe can be used for optimization of chemical control. The crude feed monitor is used to provide early warning of off-spec crude from the tank farm before it enters the crude unit.
In the past, floats, displacers, DP cells, sight glasses and Drexelbrook capacitance probes have been used for desalter control. But as crude slates have become heavier, the problems caused by emulsions have rendered the performance of these technologies unacceptable. The main problem has been hydrocarbon being discharge with the water and the amount of slop oil being generated by the refinery.
The Agar Desalter Control System has been able to eliminate most of the undercarry problems--greatly reducing the amount of slop oil recovered in the waste water treatment system.
During the past 2 years we installed Agar probes in 8 desalters at our Baytown refinery. They are all working very well.
In Venezuela we run very heavy crudes (API gravity = 15) and the Agar probes run in automatic control all the time. Even with very heavy crudes the probes can run 5-6 years without any maintenance. These 2 desalters in Venezuela also have capacitance probes, and they respond very slowly to changes in emulsion height. For this reason we don't rely on capacitance probes.
We also have 5 desalters in a refinery in New Orleans with API gravity of 16. Again these Agar probes run very well with maintenance every 6 years.
This is another thing we like about the Agar probes, they require little or no maintenance and often run from turnaround to turnaround without service.
I am sending you this note as a professional courtesy to Agar. It is because they have improved our operation so much that I provide this type of feedback as a gesture of my appreciation for their technology and service.
Please contact me if you have any additional questions or require more information about the Agar Desalter Control System. You can reach me at the office at (281) 834-0749, or by cell phone (281) 507-0715.