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| **Environmental Enlightenment #109** By Ami Adini - Reissued August 7, 2015   |  | | --- | | This is a SHORT, LIGHT and SIMPLE newsletter. Its purpose is to rekindle in the initiated terminology they have once learned, and enlighten the uninitiated on terms they may have heard but never known the meaning of. | | **Probabilities and Possibilities in the Phase One Environmental Site Assessment**  A probable event is an event that is likely to happen or likely to have happened.  http://amiadini.com/NewsletterArchive/150807-NL109/envEnl-109_clip_image002.jpg  Probability is a scale of certainty: How probable is it that an undeveloped piece of land will be contaminated with petroleum products? Quite improbable.  A possible event is an event that has or had the ability to happen. Is it possible for the soil in the above site to be contaminated with petroleum hydrocarbons? Of course it is. Spill a tank of gasoline on the open land and it will readily soak in.  http://amiadini.com/NewsletterArchive/150807-NL109/envEnl-109_clip_image004.jpg  Probability is a scale. Possibility is yes or no. How possible is it for a cat to fly a plane?  http://amiadini.com/NewsletterArchive/150807-NL109/envEnl-109_clip_image005.jpg  http://amiadini.com/NewsletterArchive/150807-NL109/envEnl-109_clip_image006.jpg  While it is possible for a piece of land to be contaminated, the questions remains as to how probable it is.  In Phase I environmental site assessments we deal with **probabilities**. We research records and inspect the site to arrive at an estimation of the probability for environmental infliction to have happened.  http://amiadini.com/NewsletterArchive/150807-NL109/envEnl-109_clip_image008.jpg    http://amiadini.com/NewsletterArchive/150807-NL109/envEnl-109_clip_image010.jpg  Where we judge the probability to be beyond a certain feeling of comfort, we move into Phase II, sampling of the soil and/or groundwater, to better ascertain that probability.  http://amiadini.com/NewsletterArchive/150807-NL109/envEnl-109_clip_image012.jpg    http://amiadini.com/NewsletterArchive/150807-NL109/envEnl-109_clip_image014.jpg  Because there are no absolutes, and because economics never justify sampling every inch of surface or depth, a degree of probability will always remain and enter our conclusions. | | You can find past issues of our "Environmental Enlightenment" at [amiadini.com](http://www.amiadini.com/)Wealth of information about environmental site assessments in the real estate transactions and issues concerning assessment and cleanup of contamination in the subsurface soil and groundwater. |  |  | | --- | | Call me if you have any questions. There are **no obligations.**  Ami Adini Environmental Services, Inc. Environmental Consultants & General Engineering Contractors California Lic. #1009513 A B HAZ ASB **818-824-8102**; [**mail@amiadini.com**](mailto:mail@amiadini.com) [www.amiadini.com](http://amiadini.com/)  Ami Adini is a veteran environmental practitioner with over 40 years of experience. He carries a Bachelor of Science degree (B.Sc.) in Mechanical Engineering including academic credits in Nuclear and Chemical Engineering and postgraduate education in these fields. His career includes design and construction of nuclear plant facilities, chemical processing plants and hazardous wastewater treatment systems. He is a former California Registered Environmental Assessor Levels I & II in the 1988-2012 registry that certified environmental professionals in the assessment and remediation of environmentally impacted land, and a Registered Environmental Professional (REP) since 1989 with the National Registry of Environmental Professionals (NREP). He is a California Business & Professions Code Qualifying Responsible Managing Officer (RMO) in the General Engineering Contractor classification with Hazardous Substance Removal and Asbestos certifications, and president of AMI ADINI ENVIRONMENTAL SERVICES, INC. (AAES), a general engineering contractor and consulting firm specializing in environmental site assessments, rehabilitation of contaminated sites and removal of environmental risks from real-estate transactions. (Contact Ami for a complete resume.) **AAES provides practical solutions to environmental concerns using the highest standards of ethics and integrity while providing its clients with maximum return on their investments.** | |