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| **Environmental Enlightenment #245** By Ami Adini - Issued July 15, 2018   |  | | --- | | 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. | | **Phase I Environmental Site Assessment Probabilities and Possibilities**   |  |  |  | | --- | --- | --- | |  |  |  | | *Probability* is the *extent* to which something is probable; the likelihood of something happening or being the case. (Google) | | | | http://amiadini.com/NewsletterArchive/180715-NL245/envEnl-245_clip_image001.jpg | | | | Image Credit: [https://thesalience.wordpress.com](https://thesalience.wordpress.com/) | | | |  |  |  | | Probability is a scale of certainty:  How probable it is that an undeveloped piece of land will be contaminated from spills of industrial hazardous substances? |  | http://amiadini.com/NewsletterArchive/180715-NL245/envEnl-245_clip_image002.jpg | |  |  |  | | A possible event is able to be done; it is within the power or capacity of someone or something, it can happen, can be done.  How possible it is for the soil in the above site to be contaminated with from spills of industrial hazardous substances?  Dump leaking drums on the land and watch! |  | http://amiadini.com/NewsletterArchive/180715-NL245/envEnl-245_clip_image003.jpg | |  |  |  | | Probability is a scale.  Possibility is yes or no. |  | http://amiadini.com/NewsletterArchive/180715-NL245/envEnl-245_clip_image004.jpg | |  |  | [Pixabay.com](https://pixabay.com/) | |  |  |  | | While it is possible for a piece of land to be contaminated, the question remains as to how probable it is. | | | |  |  |  | | In Phase I environmental site assessments we deal with **probabilities**.  We research records, inspect the site, and arrive at an estimation of the probability for environmental infliction to have occurred. |  | http://amiadini.com/NewsletterArchive/180715-NL245/envEnl-245_clip_image005.jpg | |  |  |  | | Where we judge the probability to be beyond a certain degree of comfort, we move into Phase II: sampling of the soil, soil-vapor, or groundwater, to better ascertain that probability. | | | |  |  |  | | |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | http://amiadini.com/NewsletterArchive/180715-NL245/envEnl-245_clip_image006.jpg |  | http://amiadini.com/NewsletterArchive/180715-NL245/envEnl-245_clip_image007.jpg |  | | | | |  |  |  | | Because there are no absolutes, and because economics never justify sampling every inch of land, 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.** | |