

Professional Ethics Exercises

CMPE 349 E.F.C. LaBerge

Options → NSPE Canons ↓	Go along with the decision	Appeal to higher management	Quit your	Write your state representative	Call a newspaper reporter
Hold paramount the safety, health and welfare of the public.					
Perform services only in the area of your competence					
Issue public statements only in an objective and truthful manner					
Act for each employer or client as faithful agents or trustees					
Avoid deceptive acts					
Conduct themselves honorably					

Kosky, Balmer, Keat, Wise. *Exploring Engineering: An Introduction to Engineering and Design.* Elsevier, New York, 2016

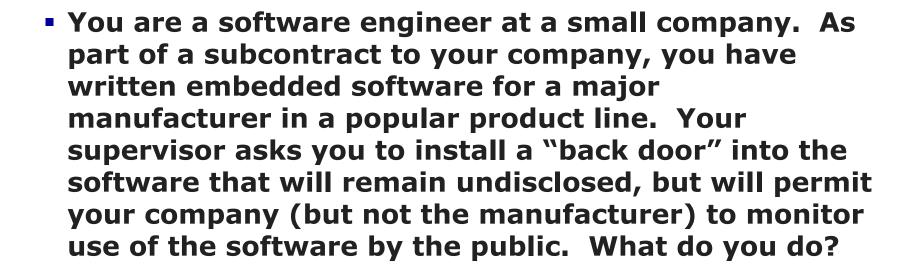
Exercise 1

It is 2021 and you are a process engineer at a large oil refining company. The world is rapidly moving toward a hydrogen-based energy economy, any your company has been trying tot develop an efficient and cost-effective way to extract hydrogen from crude oil. You found a low-cost process, but it produces a considerable amount of undesirable chemical byproduct pollutants. However, during you work on this project, you also discovered an effective and inexpensive way to extract hydrogen directly from sea-water. You realize that revealing this process would effectively eliminate the world demand for petroleum, and would probably cause serious financial damage to your company. What do you do?

Matrix for Exercise 1

	Quit your job; start new company	Reveal process to company for first refusal	Contact patent lawyer outside of company	Publish article without company permission
Hold paramount the safety, health and welfare of the public				
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Issue public statements only in an objective and truthful manner				
Act for each employer or client as faithful agents or trustees				
Avoid deceptive acts				
Conduct themselves honorably UMBC CMPE451 Capstone				Week 1 1-4

Exercise 2



 Does your decision change if the the only purpose of the back door is to collect information for the maintenance and improvement of the software, without containing user-identifiable information?

