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PPG INDUSTRIES

LAKE CHARLES

TO: Distribution

DATE: January 17, 1991

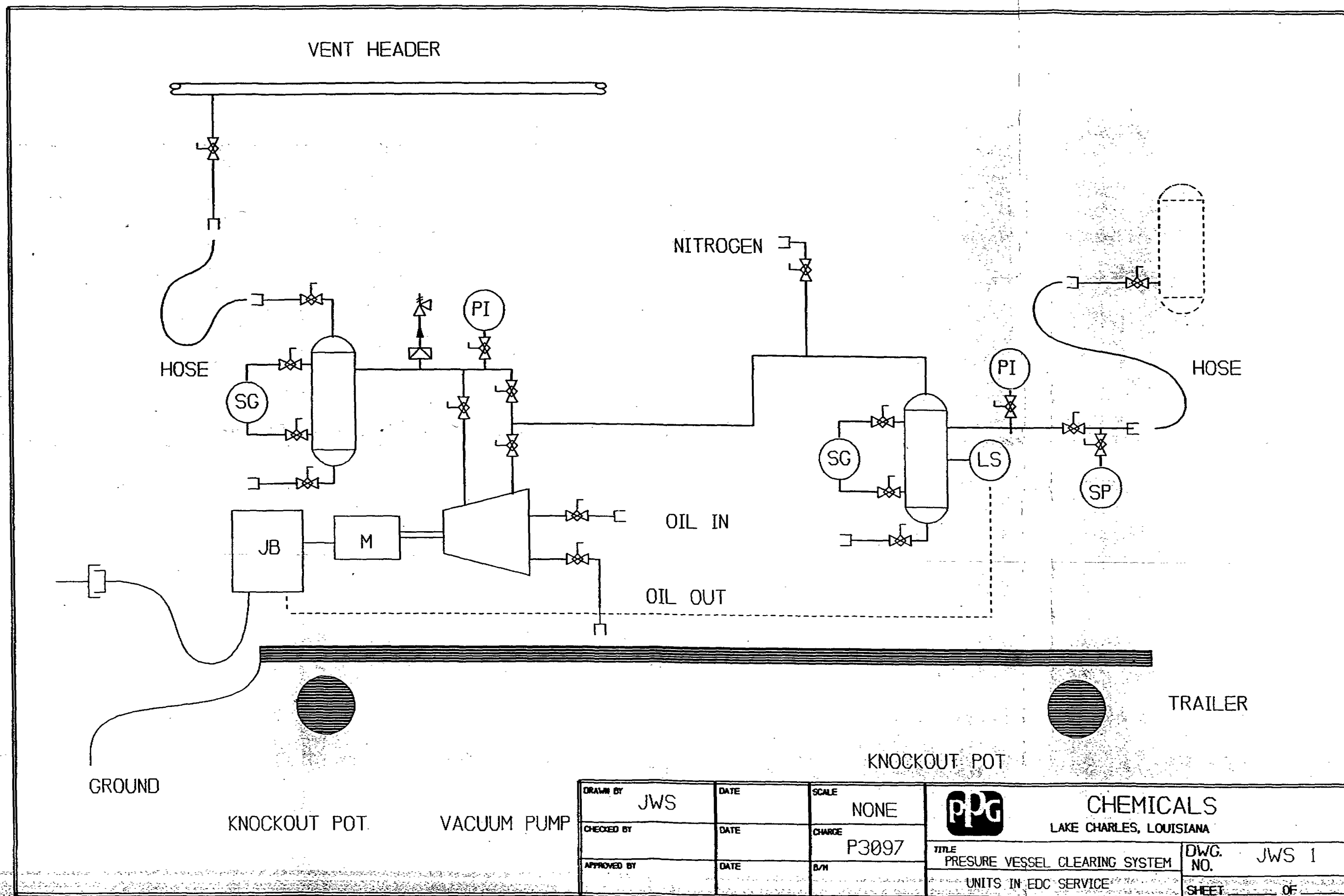
FROM: Johnny Stephenson *JS*

SUBJECT: Proposed EDC Vessel  
Clearing System

Currently, a project is being developed to meet the new federal requirements for personnel exposure to EDC. The new exposure limit will be 1 ppm. One area being addressed is the clearing of process vessels for opening for maintenance. Various options have been reviewed with the attached system being the option of choice. The theory of operation is that for pressure vessels (filters, driers, etc.) the pressure on the vessel would be dropped to a vacuum, therefore flashing the residue EDC in the vessel. Attached for your review and comment is a "preliminary" P&ID. Before the system reaches an ORC review, I would like input to the proposed design. What is proposed is based on what is currently being done in the complex for clearing refrigeration equipment. Your prompt reply would be appreciated.

cc: Roy Sanders  
Vern Morgan  
Pancho Ortiz  
Doug Johnson  
Nelson Perez  
Richard Andersen  
Jim Rock  
P-3097

SL 072096



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|-----------------|------|-----------------|----------------------------------------------------------------------------------------------------------------------------|--|----------------|
| DRAWN BY<br>JWS | DATE | SCALE<br>NONE   |  CHEMICALS<br>LAKE CHARLES, LOUISIANA |  |                |
| CHECKED BY      | DATE | CHARGE<br>P3097 | TITLE<br>PRESURE VESSEL CLEARING SYSTEM                                                                                    |  | DWG. NO. JWS 1 |
| APPROVED BY     | DATE | B/H             | UNITS IN EDC SERVICE                                                                                                       |  | SHEET OF       |