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To: Mike Deelo

Date: September 25, 1994

From: Dan Vornberg

Subject: ILZRO Project Funding for 1995

Gary Walker attended the ILZRO Environmental Health meetings at Raleigh Durham for Doe Run this year and communicated the results of the sessions to an ad hoc advisory panel of Jim Lanzafame, Doug Bice, and myself about a week ago. There were five projects discussed that all received support from the technical committee.

LEH-6 \$ 37,500 to prepare a literature review identifying the potentially more targeted measures of lead on neurobehaviour. Not viewed as a high priority by Doe Run. In fact could be counterproductive. Probably, supportable for defensive reasons.

LEH-7 \$937,000 multi-year to study the impact of lead on male reproduction utilizing a large Australian or Eastern European cohort. '95-\$ 93K; '96-\$ 468K; '97-\$ 375 K. Useful, if successful in the occupational work standards arena, however, not critical. Probably won't get cohort.

LEH-3 \$ 2.2M multi-year to study and improve the true predictability of soils impact in the bio-kinetic uptake models. '95-\$ 375K; '96-\$437K; '97-\$ 843K; '98-\$ 656K. Doe Run's current single largest liability is from the potential of government misuse of soil lead information.

Ecotox study \$ 1.75 M to provide a broad range of standardized metals data for reporting required in the European marketplace. It may be transferable to the US in the future but is certainly necessary to support European markets. Need to show flag for political reasons here.

Environmental Health Information Transfer \$ 46,800. To fund the dissemination of information to members. Arguably, a core function but split out for funding purposes.

#### Availability of Funds

Doe Run has budgeted \$ 360 K for ILZRO \$ 94,318 for Core dues to maintain the organization; \$ 206,548 for the Advanced Lead Acid Battery Consortium contribution to develop a better battery for motive vehicles and other uses; \$ 24,000 is carry over from multi-year funding; leaving approximately \$ 35,000 for new projects.



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Allocation of Funding

Based on the recommendations of our ad hoc committee and tempered by the desire for harmony of the organization, I am making the following recommendations:

1. \$ 1,000 for the lead oxide project in lead chemicals.
2. \$ 2,000 for the Env. Health Info transfer
3. \$ 2,000 for Eco-tox
4. \$ 1,000 for Literature review
5. \$ 2,000 for Male reprod. assuming no cohort will be found  
If helpful, offer at this level for multi-year funding-we can adjust upwards in out years if cohort is found and study looks useful. If project collapses bring money home or re-allocate.
6. \$ 20,000 for the soil lead impact assessment - would support multi-year funding at this level if the project looks like it will have enough international support to be a go.

Use remaining money as contingency, for other technical committee projects, or bring home as situation dictates. I have not discussed lead chemical or lead electrochemical meetings with Worcester or Passmore. I will leave that to you. Do not throw much more at information transfer of literature review.

Please call if you have questions. I do not believe O & C has contributed to ILZRO except through ECI. You may want to confirm that through Amistadi or Zelms.

cc: Gary Walker, Jim Lanzafame, Doug Bice, John Carter,  
Dennis Murphy, John Carter, Walter Nowotny, Dick Amistadi

