Pulmonary Reactive Uptake of Inhaled Toxic Contaminants
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The proposed project is designed to characterize and compare across species (including man) the kinetics of interaction and the predominant substrates involved during the pulmonary airspace absorption of NO_2 and O_3 with the goal of establishing a model for evaluating relative dosimetry. The researchers will delineate the absorption determinants of NO_2 and O_3 within the intact, isolated lung, followed by the determination of the extent to which uptake is localized to within the epithelial lining fluid (ELF).

Contract No.	90-23	90-23A	90-23B	90-23C
Contract Exec Date	7/1/90	7/1/91 (fax 6/24/91)	7/1/92	7/1/93
Contract End Date	7/1/91	7/1/92	7/1/93	7/1/94
No Cost Extension				
Budget	$126,158	$119,788	$131,306	$99,986
Budget Amendment				
Five mos report due	12/1/90	12/1/91	12/1/92	12/1/93
Five mos report rec	1/24/91	12/26/91	12/15/92	3/31/94
Site visit (anticipated)				
Site visit (conducted)	3/15/91		4/28/93	
Ten month report due	5/1/91	5/1/92	5/1/93	NA
Ten month report rec	6/6/91	6/1/92	5/28/93	
Continuation approved				
Final report due				7/1/94
Final report rec				

STATUS: August 1991

Several studies related to nitrogen dioxide reactive uptake by the pulmonary airspace surface were completed. A comparison between bulk