

AGENDA
C-8 REVIEW - APRIL 26, 1990

- I. INTRODUCTION - HOWARD SMITH
- II. TOXICITY STATUS - GERRY KENNEDY
 - o RESULTS OF HASKELL TESTICULAR EFFECTS STUDY
 - o STATUS OF 3M STUDY - NOEL FOR LIVER EFFECTS
- III. REVIEW OF ALL PERSONNEL AIR MONITORING AND BLOOD DATA - HOWARD SMITH
- IV. REVIEW OF AIR, WATER, LAND PROGRAMS - BILL CRAWLEY
- CALVIN CHIEN (HYDROGEOLOGIST)
- V. PATH FORWARD - HOWARD SMITH

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**INVESTIGATION OF HORMONAL MECHANISMS
FOR C-8 INDUCED LEYDIG CELL ADENOMA
MARK HURTT & JON COOK, HASKELL**

- 0 IN THE TWO-YEAR 3M FEEDING STUDY, A DOSE-DEPENDENT INCREASE IN LEYDIG CELL ADENOMAS (TESTICULAR TUMORS) WAS OBSERVED. BECAUSE C-8 WAS NEGATIVE IN TWO SHORT-TERM TESTS, THE MECHANISM OF THE TUMOR INDUCTION BY C-8 WAS INVESTIGATED. SPECIFICALLY, THE EFFECT OF C-8 TREATMENT ON THE HORMONAL STATUS WAS EXAMINED.
- 0 THE RESULTS FROM THE STUDY SUGGEST THAT THE INDUCTION OF LEYDIG CELL ADENOMA BY C-8 IS HORMONALLY MEDIATED.
- 0 ALTHOUGH THE DATA FROM THE STUDY WAS FAR FROM FIRM OR COMMANDING, THE STUDY SCIENTISTS DID FEEL IT DID NOT PRECLUDE A HUMAN ROUTE FOR TESTICULAR TUMORS.
- 0 THIS STUDY IS SUPPORTIVE OF THE LOW LEVEL BENIGN TESTICULAR TUMORS IN THE 3M STUDY AND SUPPORTS OUR EXISTING LOW AEL.

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**STATUS OF 3M C-8 STUDY
NOEL FOR LIVER EFFECTS**

- o 13-WEEK DIETARY STUDY IN MALE RATS - HAZLETON LABS
- o START DATE - MARCH 29, 1990 - RESULTS BY DECEMBER 1990 (?)
- o PURPOSE: TO ASSESS THE SUBCHRONIC TOXICITY AND TO EVALUATE REVERSIBILITY OF ANY TOXIC EFFECTS.
- o 420 MALE CHARLES RIVER RATS

<u>GROUP</u>	<u>DOSE LEVEL (PPM)</u>
1. CONTROL	0
2. LOW	1
3. MID-LOW	3
4. MID-HIGH	10
5. HIGH	30
6. PAIR-FED CONTROL	0

- o STUDY ANALYSIS

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