

August 14, 1924.

Following is a brief summary of the experimental work on rabbits at Bayway Refinery since the last report dated July 1, 1924:

Of the first batch rabbits started May 26, 1924, known as DuPonts 1, 4 and 6, and S.O. 2, 3, and 5, there is living now only DuPont No. 4 which is the mother of five healthy rabbits. Treatments are discontinued from date of birth of litter of five on July 5, 1924. Total Pb. applied 7.222 gm. Apparently the baby rabbits and mother are thriving. This rabbit is in Pen No. 2.

Second Batch (Mixed and White Rabbits)
Started June 4, 1924.

Plan: To apply to rabbits Daily as in commercial use.

(1. Control - straight gas)	
) 2. DuPont	(White Rabbits
(3. DuPont	)
)	
(4. S.O.	)
) 5. S.O.	(Colored rabbits
(6. S.O. (Wild)	)
)	

Of this batch all dies (per previous report) except No. 2 (DuPont White) and No. 6 (wild). These were showing signs of such extreme emaciation that treatments were discontinued on July 17th with the idea of ascertaining if they had recuperative powers. Both these rabbits have regained their coats of hair (which previously had all but disappeared) and appear well and healthy. No treatment since July 17. These rabbits are in Pen 1.

Third Batch Rabbits "Mixed Pen"
Started June 5, 1924.

Pen No. 3.

Originally consisted of

- A - Black S.O.
- B - arrived in poor condition and died 5/28
- C - Large Gray DuP
- D - Escaped about 4th Day
- 7 - Towsey
- 4 - DuPont (Patch light brown) later preg.
- 5 - Patch Gray S.O. (Killed 6/25)

- A - Black S.O. received 1 brushful (about 0.278 gm Pb) as pure compound, daily to ears from June 5. Stopped on August 9, as this rabbit had a litter. Number not known. She had burrowed a considerable distance under ground. One was found above, it had crawled thru the wire into an adjoining pen. The mother was separated from the buck and we are attempting to raise this rabbit. It appears to be about 10 days old, (this date 8-13). During the course of treatment this rabbit offered very little resistance - appeared to be somewhat lethargic. Now that treatments have stopped and she has the little one, she appears to be "picking up". At present in Pen 5. Amount of Pb applied approximately 48 doses x .278 mgm. - 13.334 gms. Pb.
- C - Large Gray DuP received same treatment as above. Ears became so encrusted it was necessary to clip the hair from the trunk for treatments. After a few applications the skin becomes hard, shriveled and leathery, so that spots suitable for absorption seem difficult to obtain. This rabbit has been under treatment continuously since June 5, apparently showing no ill effects, but may be storing considerable Pb. internally. Amt. of Pb. approximately 15.012 gms. In Pen No. 3.

7 -TOWSEY

This rabbit placed (later on 7/5/24) with Fourth Batch (White Rabbits) to replace No. 7 - Control, killed accidentally in a storm. Is diseased. Has a tumor at lower dorsal and Sacral region; is receiving daily since 7/5/24, 5 c.c. of straight gas applied to back and trunk. Does not manifest any systemic disturbance. In Pen No. 41.

No. 4 - DuPont (Patch light brown - later preg.)

This is the only one living of the First Batch. Received 0.278 gm. daily applied to ears from 6/5/24 to 7/5/24. Surmised pregnancy about 6/11. Had a litter of five on 7/5. Mother and baby rabbits appear normal in every way. Total Pb. including previous dosage about 14.178 gm. No treatments since 7/5/24. In Pen No. 2.

FOURTH BATCH
Started 6/19/24.

Plan: See previous report.
Batch consisted of Nos. 7, 8, 9, 10. Of these 8 and 10 only are living.

- 7 - killed in storm (control) Replaced by #7 -Towsey
- 8 - Living S.O.
- 9 - Died 7/29 DuPont
- 10 - Living - control - straight gas.

- No. 8 has been receiving 5 c.c. of S.O. gas mixture (containing about .004 gm. Pb.) from 6/19/24 to date (8/14/24) in all approximately .180 gm. This rabbit shows beginning emaciation, loss of hair, toughened skin and lassitude. The preparation is poured from a graduate to the back of the animal.
- No. 9 was receiving the same treatment except with a DuPont mixture. Survived until 7/18. Found dead A.M. 7/19. Ruptured abdominal abscess - large number of maggots showed rapid decomposition. This rabbit probably had a fulminating fatal peritonitis. Amt. of Pb. 0.100 gm. No P.M. made for Pb.
- No. 10 Control living. Receiving daily 5 c.c. of straight gas. Skin hard and crusty - losing hair and appears livelier than No. 8.
- No. 7 Replaced by Towsey - diseased (Tumors) same treatment. control - living.

P I G S

1 - S.O.
2 - S. O.
3 - S.O.

4 - DuPont
5 - DuPont
6 - DuPont

See Previous reports.

On July 1, Pigs 4 and 6 only were living. Treatments had stopped from 6/2 to 6/18.

On 6/19 these pigs (4 and 6 DuPonts) apparently having recovered were placed on a treatment of 3 s.c. straight gas poured on back. Pig No. 6 lasted until 7/18. Pig No. 4 still receiving 3 c.c. straight gas. Loses considerable hair, becomes very restless for about 8 or 10 hours. O.K. next A.M., but gradually failing in strength. Dying on 8/14/24 4 p.m.

The only treatments at present being given are as follows:

DuPont Rabbit C (lagre gray) - 1 brushful daily
(0.278 gm. Pb)
S.O. Rabbit No. 8 - 5 c.c. of S.O. Gas Mixture (.004 Pb)
No. 7 Towsey)
No 10 White) Straight gas 5 c.c.

One remaining pig - 3 c.c. straight gas daily.

Respectfully submitted,