


From: [REDACTED] 
Subject: RE: Chemical spraying at Changi Airport for Wildlife Hazard Management
Date: October 15, 2018 at 9:16 PM
To: [REDACTED]
Cc: [REDACTED]



Hi John,

No problem, do let me know if you have any other questions!




Yap Xinli
Manager | Airside Management
[REDACTED]

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From: [REDACTED]
Sent: Tuesday, 16 October, 2018 2:24 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Chemical spraying at Changi Airport for Wildlife Hazard Management

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Yap Xinli,

My apologies for the delayed response here, I could not find an earlier one although I was certain an email was prepared. I very much appreciate the information you shared on the use of insecticides at Changi Airport. You are obviously doing your due diligence by showing a cause-and-effect of strike reduction before and after the use of pesticides. If I have any questions pop up in the future I'll be sure to contact you. Thank you.

Sincerely,

[REDACTED]

[REDACTED]

[REDACTED] National Wildlife Biologist
Federal Aviation Administration (FAA)
800 Independence Avenue SW
Washington, DC 20591

[REDACTED]

From: [REDACTED]
Sent: Tuesday, September 18, 2018 6:16 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: Chemical spraying at Changi Airport for Wildlife Hazard Management

Dear John and Mike,

I understand that you spoke with Steve from Avian Control recently and he told you that Changi Airport uses chemical spraying as one of the wildlife hazard management measures. We performed trials on Sevin in early 2017 and an 80% decrease in the invertebrates in the soil was observed. At the beginning, we sprayed only critical areas of the turf by the runways but did not see any effect on the bird strike figures. As such, we started to spray extensively on the turf (whole length of both runways) since end 2017. As we are only able to spray the turf during runway closure and due to the cost, each area of turf gets treated with Sevin about once every 2 months and we try to treat them with another chemical, Avian Control (MA), on months when the turf are not sprayed with Sevin. This all depends on the availability of runway closures and manpower. The months that the turf gets sprayed with Sevin is dependent on past carcass trends.

Comparing with 2017 (Jan - Aug), we have seen the:

- No. of total carcass FOD decrease by 15.3%.
- No. of raptor (Brahminy Kite & White-bellied Sea Eagle) carcass FOD decrease by 53.8%.
- No. of total wildlife strikes decrease by 19.8%.

Because of migratory season trends, we will evaluate the effect of the chemical spraying when we have done this for the whole year.

Let me know if you have any other questions and I will try my best to answer them!




Yap Xinli
Manager | Airside Management

[REDACTED]

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