

**From:** SHUMAKER Annegret  
**To:** [SHUMAKER Annegret](#)  
**Subject:** FW: Energy from Waste facility - Blacktown [SEC=UNCLASSIFIED]  
**Date:** Monday, 22 February 2016 3:06:57 PM  
**Attachments:** [Appendix F Airspace Assessment.pdf](#)  
[Appendix G Plume Rise Assessment \(2\).pdf](#)  
[FW SSD 6236 - Energy from Waste Facility - Blacktown Local Government Area - Invitation to comment SECUNCLASSIFIED.msg](#)

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**From:** HENRY, ANNA [mailto:ANNA.HENRY@casa.gov.au]  
**Sent:** Thursday, 18 February 2016 3:15 PM  
**To:** Shumaker Annegret  
**Cc:** Downsborough Craig; Hain, Joe; Windebank, Matthew; Mathew, Dilip; Procs, PDS; INFO OAR  
**Subject:** RE: Energy from Waste facility - Blacktown [SEC=UNCLASSIFIED]

UNCLASSIFIED

Dear Annie,

REF: OP16/58-2

Sorry for the delay with this assessment.

In reading through the report provided I discovered that the stack diameter originally used was different from that indicated in the report. I have assumed that the 1247 was in error and used 2.2m. Please let me know if this is not the case.

Using the CASA screening tool, the parameters used were:

No. of stacks 2

Stack separation 2m

(Note: the form advised "a few metres". In any case, the result was the same using any distance up to 6.4m.)

Stack diameter 2.2m

Stack height 100m

Temp 120 Deg C

Exit velocity 21.7m

The result was that the plumes reduce to the benchmark velocity of 4.3m/s at 437FT AGL (133.4m) or 110FT above the stack top (33.4m).

The report claimed that the most critical height with respect to the OLS would be that of the proposed Badgerys Creek aerodrome at approximately 223m if it falls within the outer horizontal surface. As the stack height is advised to be 100m adding the elevation of 64m and the plume height of 33.4m gives the result of 197.4m AHD which is below the anticipated height of the OLS.

Regarding the PANS OPS surfaces of relevant aerodromes the estimated results in the report supplied ranged from 335m to 522m which would not be impacted. However, these were not confirmed with Airservices although they previously advised that a height of 186.6m AHD did not

impact the PANS OPS surfaces checked by them. No PANS OPS checks were able to be considered for the proposed Badgerys Creek aerodrome.

Nevertheless, the inner horizontal height estimated for the proposed Badgerys Creek aerodrome would appear to be the most limiting in this case.

The OAR therefore recommends that the plume rise from the facility is unlikely to present a hazard to airspace users unless the OLS at Badgerys Creek (when it becomes operational) is less than 197.4mAHD. In this case, depending on the extent of the penetration, a plume symbol inserted on the relevant aviation charts may be appropriate mitigation. However, the final decision regarding any OLS impact would rest with your Department. The proponent should therefore make contact with that aerodrome operator in due course to check on any OLS impact which may require further advice from CASA .

A copy of this assessment will be forwarded to Airservices procedure design for clarification.

Thank you for referring this proposal.

Kind Regards,

Anna

**Anna Henry**

Airspace Specialist  
Office of Airspace Regulation  
Airspace and Aerodrome Regulation Division  
Civil Aviation Safety Authority

W: 02 6217 1419

M: 0423 829 737

E: [anna.henry@casa.gov.au](mailto:anna.henry@casa.gov.au)

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**From:** Shumaker Annegret [<mailto:Annegret.Shumaker@infrastructure.gov.au>]

**Sent:** Wednesday, 17 February 2016 8:47 AM

**To:** HENRY, ANNA

**Cc:** Downsborough Craig

**Subject:** RE: Energy from Waste facility [SEC=UNCLASSIFIED]

Hi Anna

Thank you kindly; I look forward to touching base today some time.

Regards

Annie

**Annie Shumaker**

Aviation and Airports  
Department of Infrastructure and

Regional Development

P: (02) 6274 8017

E: [annegret.shumaker@infrastructure.gov.au](mailto:annegret.shumaker@infrastructure.gov.au)

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**From:** HENRY, ANNA [<mailto:ANNA.HENRY@casa.gov.au>]

**Sent:** Tuesday, 16 February 2016 5:31 PM

**To:** Shumaker Annegret

**Cc:** Downsborough Craig

**Subject:** RE: Energy from Waste facility [SEC=UNCLASSIFIED]

UNCLASSIFIED

Hi Annie,

Sorry I haven't had a chance to get back to you. I will be in touch tomorrow.

Kind Regards,

Anna

**Anna Henry**

Airspace Specialist

Office of Airspace Regulation

Airspace and Aerodrome Regulation Division

Civil Aviation Safety Authority

W: 02 6217 1419

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E: [anna.henry@casa.gov.au](mailto:anna.henry@casa.gov.au)

**From:** Shumaker Annegret  
**To:** [Shumaker Annegret](#)  
**Subject:** FW: SSD 6236 - Energy from Waste Facility - Blacktown Local Government Area - Invitation to comment [SEC=UNCLASSIFIED]  
**Date:** Wednesday, 18 November 2015 2:22:12 PM  
**Attachments:** [image001.jpg](#)  
[image002.jpg](#)

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**From:** Cockerill Joshua  
**Sent:** Thursday, 16 July 2015 5:18 PM  
**To:** INFO OAR  
**Cc:** Mathew, Dilip; Neto Mitchell; Liau Charlene  
**Subject:** RE: SSD 6236 - Energy from Waste Facility - Blacktown Local Government Area - Invitation to comment [SEC=UNCLASSIFIED]

Hi Anna

Many thanks for letting us know.

Kind regards,

Josh

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**From:** INFO OAR [<mailto:oar@casa.gov.au>]  
**Sent:** Thursday, 16 July 2015 4:56 PM  
**To:** Cockerill Joshua  
**Cc:** INFO OAR; Mathew, Dilip; Neto Mitchell; Liau Charlene  
**Subject:** RE: SSD 6236 - Energy from Waste Facility - Blacktown Local Government Area - Invitation to comment [SEC=UNCLASSIFIED]

UNCLASSIFIED

Dear Josh,

I see in the EIS Reference 6.3 (page 62) there is mention of "Other potential impacts" including plume rise, noting that "further consultation with CASA will take place when airport details are confirmed".

As there is insufficient information regarding the location of aerodromes in the vicinity and the characteristics of any resulting plume rise, a comment cannot yet be provided on the development. Please note that the plume rise will need to be assessed for its impact on aviation in due course. The attached form refers.

Many thanks,

**Anna Henry**

Airspace Specialist

Office of Airspace Regulation

Airspace and Aerodrome Regulation Division

Civil Aviation Safety Authority

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E: [anna.henry@casa.gov.au](mailto:anna.henry@casa.gov.au)

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**From:** Cockerill Joshua [<mailto:Joshua.Cockerill@infrastructure.gov.au>]

**Sent:** Wednesday, 15 July 2015 12:43 PM

**To:** HENRY, ANNA

**Cc:** INFO OAR; Mathew, Dilip; Neto Mitchell; Liau Charlene

**Subject:** RE: SSD 6236 - Energy from Waste Facility - Blacktown Local Government Area - Invitation to comment [SEC=UNCLASSIFIED]

Hello Anna

Just following up on this earlier request and wondering whether CASA intends to respond or provide advice to the Department as part of our submission.

Many thanks.

Josh

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**From:** HENRY, ANNA [<mailto:ANNA.HENRY@casa.gov.au>]

**Sent:** Tuesday, 30 June 2015 5:15 PM

**To:** Cockerill Joshua

**Cc:** INFO OAR; Mathew, Dilip; Neto Mitchell; Liau Charlene

**Subject:** RE: SSD 6236 - Energy from Waste Facility - Blacktown Local Government Area - Invitation to comment [SEC=UNCLASSIFIED]

UNCLASSIFIED

Yes Josh,

If not urgent, I will review next week.

Regards,

Anna

**Anna Henry**

Airspace Specialist

Office of Airspace Regulation

Airspace and Aerodrome Regulation Division

Civil Aviation Safety Authority

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**From:** Cockerill Joshua [<mailto:Joshua.Cockerill@infrastructure.gov.au>]

**Sent:** Tuesday, 30 June 2015 5:07 PM

**To:** HENRY, ANNA

**Cc:** INFO OAR; Mathew, Dilip; Neto Mitchell; Liau Charlene

**Subject:** RE: SSD 6236 - Energy from Waste Facility - Blacktown Local Government Area - Invitation to comment [SEC=UNCLASSIFIED]

Hi Anna

I'm not sure whether a plume rise proposal has been included and I am only really involved in the periphery on this issue.

Who would normally be responsible for completing Form 1247? The proponent I presume.

Josh

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**From:** HENRY, ANNA [<mailto:ANNA.HENRY@casa.gov.au>]  
**Sent:** Tuesday, 30 June 2015 4:19 PM  
**To:** Cockerill Joshua  
**Cc:** INFO OAR; Mathew, Dilip  
**Subject:** RE: SSD 6236 - Energy from Waste Facility - Blacktown Local Government Area - Invitation to comment [SEC=UNCLASSIFIED]

UNCLASSIFIED

Hi Josh,

I haven't seen it yet. Was there a plume rise proposal included? This is usually completed on a Form 1247 available on the CASA website.

As I am out of the office, perhaps you could download it if it has not yet been completed.

Thanks,

**Anna Henry**

Airspace Specialist  
Office of Airspace Regulation  
Airspace and Aerodrome Regulation Division  
Civil Aviation Safety Authority

W: 02 6217 1419

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E: [anna.henry@casa.gov.au](mailto:anna.henry@casa.gov.au)

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**From:** Cockerill Joshua [<mailto:Joshua.Cockerill@infrastructure.gov.au>]  
**Sent:** Tuesday, 30 June 2015 3:54 PM  
**To:** HENRY, ANNA  
**Cc:** [tony.aiezza@airservicesaustralia.com](mailto:tony.aiezza@airservicesaustralia.com); De Bray, Serghei; Morris, St John; Mathew, Dilip; Webber Corr Lisa; Longman Richard; Neto Mitchell; Liau Charlene; Smythe Margaret  
**Subject:** FW: SSD 6236 - Energy from Waste Facility - Blacktown Local Government Area - Invitation to comment [SEC=UNCLASSIFIED]

Good afternoon Anna

I'm not sure if we've met previously but I work in the Department of Infrastructure on the

Western Sydney airport project.

Earlier this afternoon I spoke to Serghei De Bray in your team about a proposed energy from waste facility within the Blacktown local government area in Sydney. A DA and EIS is currently on public exhibition for the facility – the email below from the NSW Department of Planning refers. The proposed facility is around 14km north-east of the proposed Western Sydney airport.

I understand that CASA was approached earlier in the year about the project. I'm unsure who exactly was approached at the time. However given the proximity of the facility to the proposed Western Sydney airport and our role on the project, the proponent was referred to the Department. Speaking with Serghei, there may be broader airspace considerations to be taken into account aside from just the proposed airport, in particular the potential impact on existing air traffic in the region.

To this end, it seems CASA may have an interest in reviewing the proposal. I'm not sure if this has come to you via other means, however we thought you should be informed in case CASA wishes to make a submission or follow-up with the proponent. Please note that the Department previously provided comment earlier this year and is currently preparing a submission to the DA/EIS.

Let me know if there's anything further you might require from us in terms of the proposed Western Sydney airport. For your information, I have copied Tony Aiezza from Airservices to this email who may also have an interest in this issue.

Kind regards,

## Josh Cockerill

### Assistant Director, Aviation Infrastructure

Western Sydney Unit

Phone: 02 6274 8117

Email: [Joshua.Cockerill@infrastructure.gov.au](mailto:Joshua.Cockerill@infrastructure.gov.au)

cid:image001.jpg@01D0B350.7AE ECB90



-----Original Message-----

**From:** David Mooney [[David.Mooney@planning.nsw.gov.au](mailto:David.Mooney@planning.nsw.gov.au)]

**Sent:** Tuesday, May 19, 2015 04:00 PM AUS Eastern Standard Time

**To:** BLACKTOWN CITY COUNCIL; [council@penrithcity.nsw.gov.au](mailto:council@penrithcity.nsw.gov.au); Development Sydney; [landuse.enquiries@dpi.nsw.gov.au](mailto:landuse.enquiries@dpi.nsw.gov.au); [planning.matters@environment.nsw.gov.au](mailto:planning.matters@environment.nsw.gov.au); [stephen.corbett@swahs.health.nsw.gov.au](mailto:stephen.corbett@swahs.health.nsw.gov.au); [helen.ptolemy@health.nsw.gov.au](mailto:helen.ptolemy@health.nsw.gov.au); [kathy.staggs@trade.nsw.gov.au](mailto:kathy.staggs@trade.nsw.gov.au); [andrew.burnard@trade.nsw.gov.au](mailto:andrew.burnard@trade.nsw.gov.au); [kate.norris@trade.nsw.gov.au](mailto:kate.norris@trade.nsw.gov.au); [phillip.bratby@ausgrid.nsw.gov.au](mailto:phillip.bratby@ausgrid.nsw.gov.au); referrals; Lilia Donkova; Longman Richard

**Cc:** Judith Portelli; [pwood@penrithcity.nsw.gov.au](mailto:pwood@penrithcity.nsw.gov.au); Bruce Colman; Deanne Pitts; [nicola.scott@health.nsw.gov.au](mailto:nicola.scott@health.nsw.gov.au); [liz.peterson@environment.nsw.gov.au](mailto:liz.peterson@environment.nsw.gov.au); [xi.lin@rmas.nsw.gov.au](mailto:xi.lin@rmas.nsw.gov.au); Janne Grose; [rachel.lonic@environment.nsw.gov.au](mailto:rachel.lonic@environment.nsw.gov.au); Skye

Playfair Redman

**Subject:** SSD 6236 - Energy from Waste Facility - Blacktown Local Government Area - Invitation to comment

Dear all,

The Department of Planning and Environment has received a Development Application (DA) (SSD 6236) and Environmental Impact Statement (EIS) for a proposed Energy from Waste Facility, Honeycomb Drive, Eastern Creek (Lots 1, 2, 3 and 4 DP 1145808).

The project involves construction and operation of an energy from waste facility for the thermal treatment of up to 1.35 million tonnes of waste per year and includes a boiler house, steam turbines for electricity generation and stacks for air emissions.

The project is State significant development because it is an electricity generating work that has a capital investment value of more than \$30 million and therefore triggers the threshold in *State Environmental Planning Policy (State and Regional Development) 2001*.

The Minister for Planning is the consent authority for State significant development.

The DA and EIS will be publicly exhibited from **Friday 22 May 2015** to **Tuesday 21 July 2015** and may be downloaded from the link below from Friday.

[http://majorprojects.planning.nsw.gov.au/index.pl?action=view\\_job&job\\_id=6236](http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=6236)

I would like to invite your comments on the DA and EIS by **Tuesday 21 July 2015**.

I have arranged for the applicant to send hard copies of the DA and EIS directly to exhibition locations at Penrith and Blacktown Councils and the Nature Conservation Council. These should arrive before Friday.

Please feel welcome to telephone or email me if you have any trouble accessing the DA and EIS from the link above and I will make other arrangements for you.

**I'd also appreciate a short confirmation email.**

Kind regards,

**David Mooney** | A/Team Leader

Industry Assessments | Department of Planning and Environment  
23-33 Bridge Street SYDNEY 2000 | GPO Box 39 SYDNEY 2001

t: 02 9228 2040 | e: [david.mooney@planning.nsw.gov.au](mailto:david.mooney@planning.nsw.gov.au)

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