
From: Claire Harling <CHarling@icgl.co.uk>
Sent: 04 June 2018 15:18
To: Hopkin, Rach
Subject: FW: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke
Attachments: west thurrock.ter; 2016 background.bgd; 2015_background.bgd; 2014 background.bgd

Hi Rach,

Please find attached additional information for the dispersion report.

Kind regards
Claire

From: Felix Sirovski
Sent: 04 June 2018 14:29
To: Darren Sharpe <DSharpe@icgl.co.uk>; Claire Harling <CHarling@icgl.co.uk>
Subject: RE: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke

Hi all,

Files with met extension are from Met office and these could be loaded onto ADMS directly. Files with NTF extension are OS grid files and were used to prepare terrain file in ADMS. I attach also the terrain file that is loaded into ADMS. Excel files were used to prepare background files for loading into ADMS. I attach these also, just in case, because they had not specified what they require: starting data files obtained from UK AIR database or already treated files.

Best regards,
Felix

From: Darren Sharpe
Sent: 04 June 2018 14:22
To: Claire Harling <CHarling@icgl.co.uk>
Cc: Felix Sirovski <FelixSirovski@icgl.co.uk>
Subject: RE: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke

Claire,

Some of the files are specific input files for ADMS, this is so they can load up the data and "audit the model configuration" we have used as per their request. Felix please can you confirm this is correct.

Regards

Darren Sharpe
Technician TIMMM
Energy Projects Manager



Industrial Chemicals Ltd
Titan Works, Hogg Lane, Grays, Essex RM17 5DU

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Mob: +44 (0)7970 765980
email: DSharpe@icgl.co.uk



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From: Claire Harling
Sent: 04 June 2018 14:17
To: Darren Sharpe <DSharpe@icgl.co.uk>
Subject: FW: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke

Hi Darren,

I can't open some of the attachments. So I doubt that the EA will be able to either.

Claire

From: Darren Sharpe
Sent: 04 June 2018 14:06
To: Claire Harling <CHarling@icgl.co.uk>
Cc: Felix Sirovski <FelixSirovski@icgl.co.uk>
Subject: FW: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke

Claire,

Following the questions posed by the EA regarding dispersion for the power plant, please see answers from Felix below and attached updated report together with the data files requested. If you need anything else please let us know – thanks.

Regards

Darren Sharpe
Technician TIMMM
Energy Projects Manager



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From: Felix Sirovski
Sent: 04 June 2018 14:01
To: Darren Sharpe <DSharpe@icgl.co.uk>
Subject: FW: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke

Hi Darren,

These are the answers to the questions raised by the EA:

- Please explain how you have calculated the ‘pollution emission rate’ (aka release rate in our guidance)

Emission (release) rate was calculated multiplying 500 mg/Nm³ by exhaust gas flow rate from all six engines (71,670 Nm³/h). The release rate per individual stack is on half of the total release rate This explanation is also included on Page 26 of the Report.

- Please explain whether the value provided in table 16 of the report is for one stack or a combination of the two

The rate in the table is the combined rate from both stacks. This clarification is also included on page 25 of the Report Please confirm whether the ‘internal diameter’ provided in table 15 is the exit diameter

Yes it is the exit diameter that is clarified in Table 15 of the Report

- Please confirm whether the ‘temperature’ provided is the exit temperature
- Yes, it is the exit temperature, that is clarified in Table 15 of the report
- ‘Carry out sensitivity analysis’
 - This does not appear to have been carried out, please revise the modelling report and resubmit.
 - Sensitivity analysis was performed and included in the Report.
- I also attach input files that EA asked for. These should be send together with the report.

Regards,
Felix

From: Claire Harling

Sent: 24 May 2018 15:23

To: Felix Sirovski <FelixSirovski@icgl.co.uk>

Subject: FW: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke

Hi Felix,

Please can you answer the question below for me as soon as possible as I need to feed it back to the Environment Agency:-

- Detailed modelling report. We need you to submit the following information in line with our [guidance](#):
 - ‘Explain emission parameters’
 - Please explain how you have calculated the ‘pollution emission rate’ (aka release rate in our guidance)
 - Please explain whether the value provided in table 16 of the report is for one stack or a combination of the two
 - Please confirm whether the ‘internal diameter’ provided in table 15 is the exit diameter
 - Please confirm whether the ‘temperature’ provided is the exit temperature
 - ‘Carry out sensitivity analysis’
 - This does not appear to have been carried out, please revise the modelling report and resubmit.
 - ‘Include input files’
 - Please provide the input files for the air dispersion model you’ve used. Please note: you must provide enough data so that we can audit the model configuration you’ve used.

Kind regards
Claire

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From: Felix Sirovski <FelixSirovski@icgl.co.uk>
Sent: 25 June 2018 14:28
To: Hopkin, Rach
Cc: Claire Harling
Subject: FW: Order PO17HQO00236 - Met Office QU 010081975
Attachments: West Thurrock2014v_2.1.APL; West Thurrock2014_39 m stack v_2.1.APL; West Thurrock2014 backgroundv_2.1.APL; West Thurrock2014_26 m stack v_2.1.APL; West Thurrock2014_57 m stack v_2.1.APL; West Thurrock2014v_2.1 - 32 grid.APL; West Thurrock2015v_2.1.APL; West Thurrock2015v_2.1 background.APL; West Thurrock2015v_2.1 26 m stack.APL; West Thurrock2015-32 gridv_2.1.APL; West Thurrock2015v_2.1 39 m stack.APL; West Thurrock2015v_2.1 57 m stack.APL; West Thurrock2016v_2.1.APL; West Thurrock2016v_2.1 13 m stack no buildings.APL; West Thurrock2016v_2.1_backgroundk.APL; West Thurrock2016v_2.1_background32 grid.APL; West Thurrock2016v_2.1 13 m stack no buildings background.APL; West Thurrock2016v_2.1_13 m stack incl avail.APL; West Thurrock2016v_2.1_26 m stack.APL; West Thurrock2016v_2.1_26 m stack incl avail.APL; West Thurrock2016v32 grid_2.1.APL; West Thurrock2016v_2.1_39 m stack.APL; West Thurrock2016v_2.1_39 m stack incl avail.APL; West Thurrock2016v_2.1_57 m stack.APL; West Thurrock2016v_2.1_57 m stack incl avail.APL

Hi Rachel,

It was nice talking to you. Unfortunately as you see Met office cannot provide their files in the format you require. I attach my apl files to this letter.

Regards

Dr Felix Sirovski
MEng, PhD, DSc, CSci, CChem, CEng, FRSC, FICHEM E
Research & Development Engineer



Industrial Chemicals Ltd
Titan Works, Hogg Lane, Grays, Essex RM17 5DU

Tel: +44 (0)1375 389000
Mob.: +44 (0) 7753424881
email: FelixSirovski@icgl.co.uk

From: Cohen, Stacey <stacey.cohen@metoffice.gov.uk>
Sent: 25 June 2018 12:41
To: Felix Sirovski <FelixSirovski@icgl.co.uk>
Subject: RE: Order PO17HQO00236 - Met Office QU 010081975

Hi Felix,

Thanks for your email. Further to my earlier mail, I have checked with our Production Team and can confirm that we are unfortunately unable to covert met files to sfc or pfl files we can only provide them in .met format.

Sorry for any inconvenience that this may cause.

Kind regards
Stacey

Stacey Cohen Account Manager
Met Office FitzRoy Road Exeter Devon EX1 3PB United Kingdom
Tel: +44 (0)1392 886700 Fax: +44 0370 900 5050

E-mail: stacey.cohen@metoffice.gov.uk



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From: Felix Sirovski <FelixSirovski@icgl.co.uk>
Sent: 25 June 2018 10:46
To: Cohen, Stacey <stacey.cohen@metoffice.gov.uk>
Cc: Day, Alan <alan.day@metoffice.gov.uk>
Subject: RE: Order PO17HQO00236 - Met Office QU 010081975
Importance: High

Hi Stacey,

After submitting dispersion modelling results to EA they asked for the met files to be in sfc or pfl format. The data I received from you for Grays and West Thurrock were in met format. Is it possible to convert them to one of these formats? It is quite urgent.

I use ADMS 4.2 version.

Best regards,
Felix

From: Cohen, Stacey <stacey.cohen@metoffice.gov.uk>
Sent: 19 October 2017 11:46
To: Paula Sewell <PSewell@icgl.co.uk>
Cc: Felix Sirovski <FelixSirovski@icgl.co.uk>
Subject: RE: Order PO17HQO00236 - Met Office QU 010081975

Hi Paula,

Thank you for arranging and sending over your company PO that is great.

To enable me to proceed please can you also arrange for a signed copy of the order paperwork to also be returned (attached for ref)?

Many thanks in advance,
Stacey

Stacey Cohen Account Manager
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Tel: +44 (0)1392 886700 Fax: :+44 0370 900 5050

E-mail: stacey.cohen@metoffice.gov.uk



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From: Paula Sewell [<mailto:PSewell@icgl.co.uk>]
Sent: 19 October 2017 11:37
To: Cohen, Stacey <stacey.cohen@metoffice.gov.uk>
Subject: Order PO17HQ00236 - Met Office QU 010081975

Good morning Stacey,

Following on for the below email trail, can you please see and process our attached order PO17HQ00236 for this.

Can we please ask that our order number is stated on your invoice and that you email all invoices to our ap.london@icgl.co.uk for correct processing.

Thank you

Paula Sewell

Senior Buyer

Industrial Chemicals Ltd
Titan Works, Hogg Lane
Grays, Essex
RM17 5DU
DDI: 01375 389055
psewell@icgl.co.uk

From: Cohen, Stacey [<mailto:stacey.cohen@metoffice.gov.uk>]
Sent: 07 August 2017 13:11
To: Felix Sirovski
Subject: RE: Met Office enquiry - 010081975

Hi Felix,

No problem at all, please see below the completed information as requested.

Many thanks,
Stacey

Stacey Cohen Account Manager
Met Office FitzRoy Road Exeter Devon EX1 3PB United Kingdom
Tel: +44 (0)1392 886700 Fax: :+44 0370 900 5050

E-mail: stacey.cohen@metoffice.gov.uk



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From: Felix Sirovski [<mailto:FelixSirovski@icgl.co.uk>]
Sent: 07 August 2017 12:10
To: Cohen, Stacey
Subject: RE: Met Office enquiry - 010081975

Hi Stacey,

Our purchasing department would like you to fill in this form:

Details we require	Please supply below information:
Full Company Name:	Met Office
Full Company Address:	FitzRoy Road, Exeter, Devon, EX2 7RL
Contact name:	Stacey Cohen
Contact email address:	Stacey.cohen@metoffice.gov.uk
Contact telephone number:	01392 886700
Company registration number:	N/A Government org
Name of Bank:	NatWest Bank
BSB Number:	
Account Number:	48538302
Account name:	The Met office current account
International Swift Code:	NWBKGB2L
Remittance email address:	Stacey.cohen@metoffice.gov.uk
As per out attached T&C's, acceptance of our 60 day payment terms:	No – we can only accept 30 day payment terms as per the MO terms and conditions
IBAN Number (if non uk supplier)	GB12NWBK52416048538302
Currency to be invoiced in (if non uk supplier)	

Regards

Dr Felix Sirovski
MEng, PhD, DSc, CSci, CChem, CEng, FRSC, FIChemE
Research & Development Engineer



Industrial Chemicals Ltd
Titan Works, Hogg Lane, Grays, Essex RM17 5DU

Tel: +44 (0)1375 389000
Mob.: +44 (0) 7753424881
email: FelixSirovski@icgl.co.uk

From: Cohen, Stacey [<mailto:stacey.cohen@metoffice.gov.uk>]
Sent: 07 August 2017 11:26
To: Felix Sirovski
Subject: RE: Met Office enquiry - 010081975

Hi Felix,

No problem at all, please get them to get in touch should they require any further assistance at all.

Many thanks
Stacey

Stacey Cohen Account Manager
Met Office FitzRoy Road Exeter Devon EX1 3PB United Kingdom
Tel: +44 (0)1392 886700 Fax: +44 0370 900 5050

E-mail: stacey.cohen@metoffice.gov.uk



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From: Felix Sirovski [<mailto:FelixSirovski@icgl.co.uk>]
Sent: 07 August 2017 11:22
To: Cohen, Stacey
Subject: RE: Met Office enquiry - 010081975

Hi Stacey,

I will pass the quotation to our purchasing department. They might require some additional info. I'll contact you soon.

Regards

Dr Felix Sirovski
MEng, PhD, DSc, CSci, CChem, CEng, FRSC, FIChemE
Research & Development Engineer



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Tel: +44 (0)1375 389000
Mob.: +44 (0) 7753424881
email: FelixSirovski@icgl.co.uk

From: Cohen, Stacey [<mailto:stacey.cohen@metoffice.gov.uk>]
Sent: 07 August 2017 11:20
To: Felix Sirovski
Subject: RE: Met Office enquiry - 010081975

Hi Felix,

Thanks for confirming. No problem at all, please see attached a formal quotation for the data reports as requested, which I hope meets with your requirements.

If you would like to proceed with an order please can you indicate your preferred payment method, sign and return the form to me at your earliest convenience either via email or alternatively via fax to 0870 9005050.

Please do not hesitate to contact me if you have any queries at all, or if you require any further assistance.

Kindest regards,
Stacey

Stacey Cohen Account Manager
Met Office FitzRoy Road Exeter Devon EX1 3PB United Kingdom

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E-mail: stacey.cohen@metoffice.gov.uk



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From: Felix Sirovski [<mailto:FelixSirovski@icgl.co.uk>]

Sent: 07 August 2017 10:40

To: Cohen, Stacey

Subject: RE: Met Office enquiry

Hi Stacey,

RM17 5DU
RM20 3AG
GRAVESEND, BROADNESS (51.46398, 0.31301)

NE31 1SP
ALBEMARLE (55.01972, -1.88012)

TS2 1SD
LOFTUS (54.5627, -0.86188)

YO8 8AE
BRAMHAM (53.86866, -1.31722)

WA8 0YZ
HAWARDEN AIRPORT (53.1745, -2.98605)

SA13 2NG
ST ATHAN (51.40065, -3.44477)

We would need the 3 year data.

Regards

Dr Felix Sirovski

MEng, PhD, DSc, CSci, CChem, CEng, FRSC, FIChemE
Research & Development Engineer



Industrial Chemicals Ltd

Titan Works, Hogg Lane, Grays, Essex RM17 5DU

Tel: +44 (0)1375 389000

Mob.: +44 (0) 7753424881

email: FelixSirovski@icgl.co.uk

From: Cohen, Stacey [<mailto:stacey.cohen@metoffice.gov.uk>]

Sent: 07 August 2017 10:17

To: Felix Sirovski

Subject: RE: Met Office enquiry

Hi Felix,

No problem at all, please can you confirm which of the sites listed would be most suitable for you along with the years you would like the datasets to cover and I can pop you some costings for ref.

Many thanks
Stacey

Stacey Cohen Account Manager
Met Office FitzRoy Road Exeter Devon EX1 3PB United Kingdom
Tel: +44 (0)1392 886700 Fax: :+44 0370 900 5050

E-mail: stacey.cohen@metoffice.gov.uk



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From: Felix Sirovski [<mailto:FelixSirovski@icgl.co.uk>]
Sent: 07 August 2017 10:15
To: Cohen, Stacey
Subject: RE: Met Office enquiry

Hi Stacey,

We would need AMS files. Please, quote.

Regards

Dr Felix Sirovski
MEng, PhD, DSc, CSci, CChem, CEng, FRSC, FIChemE
Research & Development Engineer



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email: FelixSirovski@icgl.co.uk

From: Cohen, Stacey [<mailto:stacey.cohen@metoffice.gov.uk>]
Sent: 07 August 2017 10:12
To: Felix Sirovski
Subject: RE: Met Office enquiry

Hi Felix.

Yes you can use either the station based ADMS or the NWP datasets whichever you prefer. The data will be based on hourly data and will cover the following;

Station based ADMS

Air temperature (°C)
Mean wind speed (m/s)
Mean wind direction (deg true)
Hourly rainfall (mm)
Total cloud amount (8ths)
Relative humidity (%)

NWP datasets

Air temperature (°C)
Mean wind speed (m/s)
Mean wind direction (deg true)

Hourly rainfall (mm)
Total cloud amount (8ths)
Relative humidity (%)
Sensible Heat Flux
Boundary Layer Depth

Please let me know if you have any queries or if I can be of any further assistance at all.

Many thanks
Stacey

Stacey Cohen Account Manager
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Tel: +44 (0)1392 886700 Fax: +44 0370 900 5050

E-mail: stacey.cohen@metoffice.gov.uk



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From: Felix Sirovski [<mailto:FelixSirovski@icgl.co.uk>]
Sent: 07 August 2017 10:03
To: Cohen, Stacey
Subject: RE: Met Office enquiry

Morning Stacey,

Thanks a lot for the prompt reply. I will be using ADMS software, version 4 (if I'm not mistaken) for emissions modelling. I used it quite a few years ago, so I'll have to polish my rusted skills. If I remember correctly it uses a file with half hour data on wind speed, cloud, temperature and precipitation. That is what we would need.

Regards

Dr Felix Sirovski
MEng, PhD, DSc, CSci, CChem, CEng, FRSC, FIChemE
Research & Development Engineer



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Tel: +44 (0)1375 389000
Mob.: +44 (0) 7753424881
email: FelixSirovski@icgl.co.uk

From: Cohen, Stacey [<mailto:stacey.cohen@metoffice.gov.uk>]
Sent: 07 August 2017 09:57
To: Felix Sirovski
Subject: RE: Met Office enquiry

Morning Felix,

I hope that all is well with you.

No problem at all, I can certainly assist with this for you.

Having checked my station maps, I can confirm that the closest suitable station based sites for each of the locations would be;

RM17 5DU

GRAVESEND, BROADNESS (51.46398, 0.31301) cloud from alternative
EAST MALLING (51.28702, 0.45006) cloud from alternative
SHOEBURYNESS, LANDWICK (51.554, 0.83)
KENLEY AIRFIELD (51.303, -0.089)

NE31 1SP

ALBEMARLE (55.01972, -1.88012)
DURHAM (54.76786, -1.58455) cloud and wind from alternative

TS2 1SD

LOFTUS (54.5627, -0.86188)

YO8 8AE

CHURCH FENTON (53.8356, -1.1973) closed 2013
BRAMHAM (53.86866, -1.31722) cloud from an alternative
RYHILL (53.62819, -1.39273) cloud and wind from an alternative
LINTON ON OUSE (54.04502, -1.24956)

RM20 3AG

GRAVESEND, BROADNESS (51.46398, 0.31301) cloud from alternative
EAST MALLING (51.28702, 0.45006) cloud from alternative
SHOEBURYNESS, LANDWICK (51.554, 0.83)
KENLEY AIRFIELD (51.303, -0.089)

WA8 0YZ

HAWARDEN AIRPORT (53.1745, -2.98605)
CROSBY (53.49701, -3.0563)

SA13 2NG

MUMBLES HEAD (51.56513, -3.98056) – cloud from an alternative
ST ATHAN (51.40065, -3.44477)

We can also offer NWP modelled data if this would be preferable to you?

Please let me know the sites you would like to proceed with along with the years you require the datasets to cover and I shall be happy to send you some general costings for ref or alternatively if you have any queries at all.

Many thanks
Stacey

Stacey Cohen Account Manager
Met Office FitzRoy Road Exeter Devon EX1 3PB United Kingdom
Tel: +44 (0)1392 886700 Fax: +44 0370 900 5050

E-mail: stacey.cohen@metoffice.gov.uk



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From: Felix Sirovski [<mailto:FelixSirovski@icgl.co.uk>]
Sent: 07 August 2017 09:08
To: Cohen, Stacey
Subject: RE: Met Office enquiry
Importance: High

Dear Stacey

Please open the enquiry below again.
We would need Service 1.

We would also need the same for some of our sites at the following post codes:

Titan Works, Hogg Lane, Grays, Essex RM17 5DU
Waggonway Works, Hebburn, Tyne & Wear, NE31 1SP
Huntsman Drive, Port Clarence, Middlesbrough, TS2 1SD
Selby Works, Canal View, Selby, North Yorkshire YO8 8AE
Stoneness Road, West Thurrock, Essex RM20 3AG (the one that was required in the first enquiry)
Bowman Works, Gorse Lane, Moss Bank, Widnes WA8 0YZ
Cold Mill Effluent treatment Plant, Port Talbot Steel Works, Port Talbot, SA13 2NG

Please, advise.

Regards

Dr Felix Sirovski
MEng, PhD, DSc, CSci, CChem, CEng, FRSC, FIChemE
Research & Development Engineer



Industrial Chemicals Ltd
Titan Works, Hogg Lane, Grays, Essex RM17 5DU

Tel: +44 (0)1375 389000
Mob.: +44 (0) 7753424881
email: FelixSirovski@icgl.co.uk

From: Cohen, Stacey [<mailto:stacey.cohen@metoffice.gov.uk>]
Sent: 25 January 2017 16:06
To: Felix Sirovski
Subject: RE: Met Office enquiry

Hi Felix,

Thank you for your email below and for confirming, that is great.

No problem at all, I shall close down this particular enquiry for you in that case. However, please do not hesitate to contact me directly should you require any further assistance in the future at all.

Many thanks
Stacey

Stacey Cohen Account Manager
Met Office FitzRoy Road Exeter Devon EX1 3PB United Kingdom
Tel: +44 (0)1392 886700 Fax: +44 0370 900 5050

E-mail: stacey.cohen@metoffice.gov.uk



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From: Felix Sirovski [<mailto:FelixSirovski@icgl.co.uk>]
Sent: 25 January 2017 15:58

To: Cohen, Stacey
Subject: RE: Met Office enquiry

Dear Stacey,

Thank you for your e-mail. It appears that the local authorities at this stage do not require a flue modelling as we are an industrial site.

If that would be required late I will let you know.

Regards

Dr Felix Sirovski
MEng, PhD, DSc, CSci, CChem, CEng, FRSC, FIChemE
Research & Development Engineer



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Tel: +44 (0)1375 389000
Mob.: +44 (0) 7753424881
email: FelixSirovski@icgl.co.uk

From: Cohen, Stacey [<mailto:stacey.cohen@metoffice.gov.uk>]
Sent: 25 January 2017 15:17
To: Felix Sirovski
Subject: Met Office enquiry

Dear Felix,

I hope that all is well with you.

Back in October, I provided you with some information in response to a request for weather data, ref **010076466**. In order for us to update our records, it would be helpful if you could let us know whether you still have a requirement for this or any other weather data at all.

If I do not hear from you by 1st Feb 2017, I will presume that you no longer need this data and will archive your request, though we would appreciate any feedback you have on our services.

Kindest regards,
Stacey

Stacey Cohen Account Manager
Met Office FitzRoy Road Exeter Devon EX1 3PB United Kingdom
Tel: +44 (0)1392 886700 Fax: +44 08709005050
E-mail: stacey.cohen@metoffice.gov.uk

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From: Claire Harling <CHarling@icgl.co.uk>
Sent: 30 May 2018 00:11
To: Hopkin, Rach
Subject: RE: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke
Attachments: Part B3 amended.pdf; Appendix B3 3a - amended.docx; Appendix B3 4a - amended.docx

Hi Rach,

Please find attached the amended Form B3, however it does not let me add the MWth to the box in table 1, I can put figures but not the unit for some reason. Still to follow is the amended H1 document.

Kind regards
Claire

From: Hopkin, Rach <rach.hopkin@environment-agency.gov.uk>
Sent: 15 May 2018 14:55
To: Claire Harling <CHarling@icgl.co.uk>
Subject: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke

Dear Miss Harling,

We need more information about your application

Application reference: EPR/SP3932JT/A001
Operator: Industrial Power Limited
Facility: Industrial Power Limited

Thank you for your application received on 28th March 2018.

Our current workload means we are not allocating applications as quickly as we would like to and know that this is unacceptable to our customers. We have therefore changed our process temporarily to Duly Make applications before allocation to an officer for determination to ensure customers have a contact and are aware of additional information we may require.

Your application has been assessed by Rach Hopkin and found not to be of an acceptable quality to be Duly Made. We have confirmed what information is needed below:

- Form B2
 - Q5a – Site Plan
 - Please submit a plan which shows the site layout of the power plant.
Background: The site layout plan submitted, whilst showing the location of the power plant within the wider site boundary, shows the layout of the chemical works. We need you to provide the site layout for the power plant for this application.
 - Q6 – H1 Risk Assessment
 - The 'modelled PC' value inputted into the H1 tool for NO_x appears to be incorrect. Please revise the tool and resubmit.
Background: the value included into the tool seems to be the manufacturers specification release concentration (mg/m³) not a modelled Process Contribution (PC – ug/m³) which

factors in the release rate and dispersion factor of the emission as described in our assessing emissions to air [guidance](#)

- An quantitative risk assessment of the impact of emissions to air of NO_x on ecological receptors, including the use of relevant critical levels/loads, needs to be incorporated into the H1 tool (and the detailed modelling if necessary).

Background: this needs to be completed in line with our [guidance](#).

- Detailed modelling report. We need you to submit the following information in line with our [guidance](#):
 - ‘Explain emission parameters’
 - Please explain how you have calculated the ‘pollution emission rate’ (aka release rate in our guidance)
 - Please explain whether the value provided in table 16 of the report is for one stack or a combination of the two
 - Please confirm whether the ‘internal diameter’ provided in table 15 is the exit diameter
 - Please confirm whether the ‘temperature’ provided is the exit temperature
 - ‘Carry out sensitivity analysis’
 - This does not appear to have been carried out, please revise the modelling report and resubmit.
 - ‘Include input files’
 - Please provide the input files for the air dispersion model you’ve used. Please note: you must provide enough data so that we can audit the model configuration you’ve used.

- Form B3

- Q1, Table 1a – Type of activities
 - Please confirm the capacity units for the (aggregated and individual) activity capacity
Background: we need you to supply this capacity as MWth input
- Q3a, Table 3a – Technical Standards
 - Please provide details of how you will meet the requirements of the [Medium Combustion Plant Directive \(MCPD\)](#)
Background: in particular please supply the information required by Annex I, and how your proposed plant will meet the Emission Limit Values (ELVs) required by Annex II of the directive.
 - Please include reference to the MCPD and the document which contains the above details into table 3a
- Q4a – Monitoring
 - Please provide monitoring proposals in line with the requirements of the [Medium Combustion Plant Directive \(MCPD\)](#)
Background: the monitoring requirements can be found in Annex III of the directive.

If the received information is of sufficient quality to allow the application to be Duly Made it will Duly Made from the date we received the additional information. The application will then be allocated to the next available officer for determination.

If the information is not received within 10 working days of this email (29th May) or is not of sufficient quality to allow the application to be Duly Made then your application will be returned to you.

We hope this small change will mean you can provide the additional information to allow your application to be Duly Made earlier.

Once an application is Duly Made, we may still need additional technical information to complete the determination but this will be requested via the schedule 5 process.

Please quote our reference if you contact us. If you have any questions please phone me on 02030 252841 or email rach.hopkin@environment-agency.gov.uk.

Thank You & Kind Regards,

Rachel Hopkin BSc Hons Chemistry

Senior Permitting Officer – Installations – National Permitting Service | West Midlands Area
Environment Agency | Sapphire East, Streetsbrook Road, Solihull, B91 1QT

Contact | Email: rach.hopkin@environment-agency.gov.uk | Ext: 02030 252841 | Int: 52841 | www.gov.uk/environment-agency



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From: Claire Harling <CHarling@icgl.co.uk>
Sent: 29 May 2018 16:56
To: Hopkin, Rach
Subject: RE: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke
Attachments: Plant layout.pdf

Hi Rach,

Please find attached the layout of the plant. I hope that this is exactly what you need.

Kind regards
Claire

From: Hopkin, Rach <rach.hopkin@environment-agency.gov.uk>
Sent: 15 May 2018 14:55
To: Claire Harling <CHarling@icgl.co.uk>
Subject: Industrial Power Limited - EPR/SP3932JT/A001 - L&T 37854 - PAS SP3932JT - New Bespoke

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- Form B3

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Thank You & Kind Regards,

Rachel Hopkin BSc Hons Chemistry

Senior Permitting Officer – Installations – National Permitting Service | West Midlands Area
Environment Agency | Sapphire East, Streetsbrook Road, Solihull, B91 1QT

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