



21<sup>th</sup> March 2013

**Discharge of Condition 3**

**Grange Farm, Staintondale, Scarborough, YO13 0EN**

**Appeal Decision : APP/W950/A/12/2177312**

**Application number: NYM/2011/0865/FL**

*Condition 3*

*No development shall take place until details of the surface colour and finish of the turbine and any ancillary equipment have been submitted to, and approved in writing by, the Local Planning Authority. The turbine and any ancillary equipment shall be erected in the approved colour and finish and so retained thereafter.*

**Turbine**

The turbine comes in a standard format in relation to its external appearance. The light colour and finish has been developed to minimize the turbine's visual impact within rural areas. All surfaces are coated in a matte finish in order to reduce opportunities for reflection and to enable the turbine to blend in to the UK's cloudy skyline. RAL is a colour matching system used in Europe. The colour of the turbine blades and hub are RAL 9003 and the tower is RAL 9016.

Please see following letter from Endurance Wind Power regarding the external colour of the turbine and colour chart.



APPROVED INSTALLER



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Company Reg: 6845511 VAT Reg: 972 119 025



RAL Colour Chart

1000 Green Beige	1001 Pale Beige	1002 Sand Yellow	1003 Signal Yellow	1004 Dark Golden Yellow	1005 Honey Yellow	1006 Maize Yellow	1007 Chrome Yellow
1011 Brown Beige	1012 Lemon Yellow	1013 Pearl White	1014 Dark Ivory	1015 Light Ivory	1016 Sulphur Yellow	1017 Saffron Yellow	1018 Zinc Yellow
1019 Grey Beige	1020 Olive Yellow	1021 Cadmium Yellow	1023 Traffic Yellow	1024 Ochre Yellow	1027 Curry Yellow	1028 Melon Yellow	1032 Broom Yellow
1033 Dahlia Yellow	1034 Pastel Yellow	2000 Yellow Orange	2001 Red Orange	2002 Vermillion	2003 Pastel Orange	2004 Pure Orange	2008 Light Red Orange
2009 Traffic Orange	2010 Signal Orange	2011 Deep Orange	2012 Salmon Orange	3000 Flame Red	3001 RAL Signal Red	3002 Carmine Red	3003 Ruby Red
3004 Purple Red	3005 Wine Red	3007 Black Red	3009 Oxide Red	3011 Brown Red	3012 Beige Red	3013 Tomato Red	3014 Antique Pink
3015 Light Pink	3016 Coral Red	3017 Rose	3018 Strawberry Red	3020 Traffic Red	3022 Dark Salmon Red	3027 Raspberry Red	3031 Orient Red
4001 Red Lilac	4002 Red Violet	4003 Heather Violet	4004 Claret Violet	4005 Blue Lilac	4006 Traffic Purple	4007 Purple Violet	4008 Signal Violet
4009 Pastel Violet	4010 Telemagenta	5000 Violet Blue	5001 Green Blue	5002 Ultramarine Blue	5003 dark Sapphire Blue	5004 Black Blue	5005 Signal Blue
5007 Brilliant Blue	5008 Grey Blue	5009 Light Azure Blue	5010 Gentian Blue	5011 Steel Blue	5012 Light Blue	5013 Dark Cobalt Blue	5014 Pigeon Blue
5015 Middle Sky Blue	5017 Traffic Blue	5018 Turkish Blue	5019 Capri Blue	5020 Ocean Blue	5021 Water Blue	5022 Night Blue	5023 Fern Blue
5024 Pastel Blue	6000 Patina Green	6001 Middle Emerald Green	6002 Leaf Green	6003 Middle Olive Green	6004 Blue Green	6005 Light Moss Green	6006 Grey Olive
6007 Bottle Green	6008 Brown Green	6009 Fir Green	6010 Middle Grass Green	6011 Reseda Green	6012 Black Green	6013 Reed Green	6014 Yellow Olive
6015 Black Olive	6016 Turquoise Green	6017 May Green	6018 Yellow Green	6019 Pastel Green	6020 Chrome Green	6021 Pale Green	6022 Brown Olive
6024 Traffic Green	6025 Bracken Green	6026 Opal Green	6027 Turkish Green	6028 Pine Tree Green	6029 Mint Green	6032 Signal Green	6033 Turquoise Blue
6034 Pale Turquoise	7000 Dark Squirrel Grey	7001 Silver Grey	7002 Olive Grey	7003 Moss Grey	7004 Signal Grey	7005 Mouse Grey	7006 Beige Grey

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7008 Khaki Grey	7009 Green Grey	7010 Tapaulin Grey	7011 Iron Grey	7012 Basalt Grey	7013 Brown Grey	7015 Slate Grey	7016 Anthracite Grey
7021 Black Grey	7022 Umber Grey	7023 Concrete Grey	7024 Graphite Grey	7026 Granite Grey	7030 Stone Grey	7031 Blue Grey	7032 Grey
7033 Cement Grey	7034 Yellow Grey	7035 Pale Grey	7036 Platinum Grey	7037 Dusty Grey	7038 Agate Grey	7039 Quartz Grey	7040 Window Grey
7042 Traffic Grey A	7043 Traffic Grey B	7044 Silky Grey	7045 Telegrey 1	7046 Telegrey 2	7047 Telegrey 4	8000 Green Brown	8001 Gold Brown
8002 Signal Brown	8003 Clay Brown	8004 Copper Brown	8007 Fawn Brown	8008 Olive Brown	8011 Nut Brown	8012 Red Brown	8014 Sepia Brown
8015 Chestnut Brown	8016 Mahogany Brown	8017 Chocolate Brown	8019 Grey Brown	8022 Black Brown	8023 Orange Brown	8024 Beige Brown	8025 Pale Brown
8028 Earth Brown	9001 Cream	9002 Grey White	9003 Signal White	9004 Signal Black	9005 Jet Black	9010 Pure White	9011 Graphite Black
9016 Traffic White	9017 Traffic Black	9018 Papyrus White					

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Endurance Wind Power  
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16 July, 2012

## PAINT COLOR

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Please note that Endurance Wind Power (EWP) E-3120 wind turbine and its monopole towers are only available in one color.

The nacelle and blades have a color code of RAL 9003, and the tower has a color code of RAL 9016. Both colors are shades of white. In almost every region worldwide, the mandatory color for wind turbines is white, and other colors are specifically prohibited. EWP has thus established RAL 9003 and RAL 9016 as standard colors, and they are accepted in all the areas in the world in which EWP operates.

It is important to note that the color for the nacelle and blades is built-in during the manufacturing process and cannot be changed. Alternate colors would absorb more solar radiation, accelerating the deterioration of the finish and increasing generator cooling requirements in warm weather. As well, the blades are accurately balanced during manufacturing, and subsequent painting would significantly change the weight and balance of these key components.

Please direct any questions regarding the colors of EWP turbines to:

Dave Burgess  
Sales Engineer  
Endurance Wind Power

