### FAA FORM 8130-6, APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE

Form Approved
O.M.B. No. 2120-0018
Eve date: 12/31/2010

|   |  |               |              |   |  | ı               |   |  |   |             |                       |                        |                  | p. cate: 1    | 2/3 //20 IU    |                   |                          |
|---|--|---------------|--------------|---|--|-----------------|---|--|---|-------------|-----------------------|------------------------|------------------|---------------|----------------|-------------------|--------------------------|
| of Trans<br>Federal                       | APPLICATION FOR  U.S. Department of Transportation Federal Aviation Administration Administratio |               |              |   |  |                 | INSTRUCTIONS - Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use attachment. For special flight permits complete Sections II, VI and VII as applicable. |  |   |             |                       |                        |                  | space is      |                |                   |                          |
|   | REGISTRATION MARK     REGISTRATION MARK     REGISTRATION MARK     REGISTRATION MARK     REGISTRATION MARK  |               |              |   |  |                 | 'S NAME (Make)  | 3. AIRCRAF   | T MC  | DEL DES     | SIGNAT                | ION                    | 4. YR. MF        | R. FAA        | CODING         |                   |                          |
| 눈종  | N6542  | B             |              |   | Blackwater                               | Airsh           | ips, LLC  | Polar 400  | 0   |             |                       |                        | 2007             | 100           |                |                   |                          |
| L ARCRAFT<br>DESIGNATION                  | 5. AIRCRAFT SERIAL NO. 6. ENGINE BU  |               |              |   |  | DER'S           | NAME (Make)   | 7. ENGINE  | MOD   | L DESIG     | NATIO                 | N                      |                  | 135.          | Phys. C        |                   | 87.948KM                 |
| 8 9<br>8 8                                | 400-0  | 11            |              | i                                       | Thielert Air                             | craft I         | ngines  | Centuria   | n 4 í   | )           |                       |                        |                  |               |                |                   |                          |
| 78  |  |               |              |   |  |                 | R'S NAME (Make)   |  |   |             | DESIGN                | MATION                 | 1                | 11 AIRC       | PAFT IS        | Check if applica  | (madepler Crise)<br>Afai |
| _   | 1 (One   | .)            |              |   | MT-Propell                               |                 |   | MTV-6-   |   |             |                       |                        | }                |               | ORT            | CHECK II OFFICE   |                          |
|   |  | _             | 110 F        | EDERY MARE                              | OR: (Check applic                        |                 |   | 1411 4   | <u> </u>  | K(II)/C     | ·KKD                  | 173-03                 |                  | 1141          |                |                   |                          |
|   | A 1  |               |              |   |  |                 | E (Indicate Category)   | NORM   | <b>AL</b>   | UTILITY     |                       | ACROBATIC              | TRANSPORT        | 504           | MAUTER         | BALLOON           | отнея                    |
|   | В  | 7             |              |   | -  |                 | Check appropriate its   |  |   | - J.L       |                       |                        |                  | 1 1           |                | BALLOOM           | 10,,,,,,,                |
|   | AL . R.  | 179           |              | PRIMARY                                 | THIRLOG OLIVIN                           | IONIE           | waren appropriate to  | · (LELY  |   |             |                       |                        |                  |               |                |                   |                          |
|   |  | 9             |              | LIGHT-SPORT                             | Made at a March                          |                 | AIRPLANE  | POWER-PAR  | acun (  | re l        | Lucio.                | HT-SHIFT-CONTRO        |                  | LIDER         | LIGHTE         | R THAN AIR        |                          |
|   |  | 2             |              | LIMITED                                 | (monte caso                              |                 | ANG DALE  | POWER-AR   | ACNO  | <u>'</u>    | WEIG                  | HI-SHIFT-CONTROL       | LGA              | LIDER         | CiGATE         | IN ITAMES AND     |                          |
|   |  | 2.54<br>11.54 |              | CIMITEO                                 |  | <b>9</b>        | CLASSI  |  |   |             |                       |                        |                  |               |                |                   |                          |
|   |  | 5             |              | PROVISIONAL                             | (Indicate Class)                         | 2               |   |  |   |             |                       |                        |                  |               |                |                   |                          |
| 8   |  | 114           |              |   |  | 140-140         | CLASS II  |  |   |             | 6:256                 | 1.50 00.5              |                  | 10250         | 1.50           |                   |                          |
| EST                                       |  |               |              | DESTRICTED A                            | Indicate operation(s)                    | 11              | AGRICULTUR  |  |   | ROL         | 2                     | AERIAL SUR             |                  | 3.            |                | L ADVERTIS        |                          |
| 8   |  | 3             |              | to be conducted)                        | macere operation(s)                      | 4               | FOREST (Wilds   | re Conservation)   |   |             | 5                     | PATROLLING             | 3                | 6             | WEAT           | HER CONTR         | KOL                      |
| <u> </u>                                  |  | J.            |              |   |  | O.              | OTHER (Specify  | t  |   |             | ····                  |                        |                  |               |                |                   |                          |
| 2   |  |               |              |   |  | 1 1             | RESEARCH A  | ND DEVELOP   | MEN   | r           | 2.                    | AMATEUR B              | UILT             | 3             | EXHI           | BITION            |                          |
| 8   |  |               |              |   |  | 4               | AIR RACING  |  |   |             | 5                     | CREW TRAIL             | REW TRAINING     |               | MARK           | ET SURVEY         |                          |
| CERTIFICATION REQUESTED                   |  | 4             | ./           | EXPERIMENTA                             |  | 0               | TO SHOW CO  | MPLIANCE W   | пн т  | HE CFR      | 72                    | OPERATING              | (Primary Cate    | agory) KIT    | BUILT AIF      | RCRAFT            |                          |
| <b>1</b>                                  |  |               | •            | operation(s) to be o                    | conducted)                               | 200<br>190      |   | * 8A   | 8A Existing Aircraft without an airwarthiness certificate & do not meet § 103.1 |             |                       |                        | § 103.1          |               |                |                   |                          |
| <b>=</b>                                  |  |               |              |   |  | 8               | LIGHT-SPORT   | 8B   |   | Operating L | Light-Sport Kit-Built |                        |                  |               |                |                   |                          |
|   | Ï  |               |              |   |  |                 |   | . 8C   |   | Operating 5 | ight-spor             | t previously issued sp | pecial light-spo | orl castegory | aireorthines   | a certificate uno | ler § 21.100             |
|   |  | ,             |              |   |  | 1               | FERRY FLIGH   | T FOR REPA   | IRS, /  | LTERATI     | IONS, N               | MAINTENANCE,           | OR STORA         | GE            |                |                   |                          |
|   |  |               |              | SPECIAL FLIGH                           | IT PERMIT                                | 2               | EVACUATION  | FROM AREA  | OF IA   | (PENDIN     | G DAN                 | GER                    |                  |               |                |                   |                          |
|   |  | 8             |              |   | (s) to be conducted,<br>ion VI or VII as | 3               | OPERATION II  | N EXCESS OF  | MA  | IMUM CE     | RTIFIC                | ATED TAKE-OF           | F WEIGHT         |               |                |                   |                          |
|   |  |               |              | applicable on rever                     | ce- side)                                | 4               | DELIVERING O  | OR EXPORTIN  | ₩G  |             | 5                     | PRODUCTIO              | N FLIGHT         | TESTING       | i              |                   |                          |
|   |  |               |              |   |  | 6               | CUSTOMER D  | EMONSTRAT  | TON F   | LIGHTS      | 1:::::1               |                        |                  |               |                |                   |                          |
|   | C 6,   |               | MU           | LTIPLE AIRWOR                           | THINESS CERT                             | FICATE          | (check ABOVE "Res   | fricted Operation  | " and "   | Standard" o | r "Limited            | d" as applicable)      |                  |               |                |                   |                          |
|   | A. REGI  | STER          | RED (        | OWNER (As shown                         | an vertificate of airc                   | rafi regisl     | ration)   |  |   | IF DEAL     | ER, CHE               | ECK HERE -             |                  |               | <b>&gt;</b>    |                   |                          |
|   | NAME Blackwater Airships, LLC  ADDRESS PO Box 1029, Moyaek NC 27958-1029   |               |              |   |  |                 |   |  |   |             |                       |                        | R-1029           |               | L              | ****              |                          |
|   | 13   | iack          | wat          | er Airsnips,                            | LLC                                      |                 |   |  |   |             |                       | •                      |                  |               |                |                   |                          |
| <b>*</b>                                  |  |               |              |   |  |                 | and complete items a  |  |   |             |                       |                        |                  |               |                |                   |                          |
| СЕЯПРІСАТІОМ                              | AiR  | CRAI          | FT SF<br>6.) |   | OR TYPE CERTIF                           | CATE            | DATA SHEET (GM  | number of the last AD SUPPLEMENT available in the biweekly series as of the date of application) |   |             |                       |                        |                  | n)            |                |                   |                          |
| ğ   | 4/17   | CO 4 (        | 711          | N/A                                     |  |                 |   | N/A  SUPPLEMENTAL TYPE CERTIFICATE (Use number of each STC incorporatest)                        |   |             |                       |                        |                  |               | N/A            |                   |                          |
| E   | Aire   | LIKA          | · I LR       | STING (Give page                        | umaper(o))                               |                 |   |  | 34  | JP71.EME    |                       |                        | AIE (List num    | iden of each  | h STC incorp   | orsted)           |                          |
| 2   |  |               |              | N/A                                     |  |                 |   |  |   |             | N/A                   | <u> </u>               |                  |               |                |                   |                          |
| E I                                       |  |               |              |   | TOTAL AIR                                |                 |   |  |   |             | 0.50                  | CVDCDGICATA            | A111 16          |               |                |                   |                          |
| OWNER                                     | 00   | MPL           | IANC         | ECORDS IN<br>E WITH 14 CFR              | <u> </u>                                 | FPOWE           | HOURS   |  |   |             | 3                     | EXPERIMENTAL renewed)  | . UNILY (Enn     | er houre sto  | WAT GENCY AND  | t oerhibbahe kodu | ed or                    |
| zi z                                      |  | ction :       |              |   | 299.0                                    | aiotopad        | owner (or his age   | nd) all the airea  | A   | agribad at  | 12,903                | 299.0                  | n mind aroud had | th the Co     | does Autor     | lan Administr     | ration to                |
|   | accordar   | ce wi         | th Tit       | le 49 of the Unite                      | d States Code 44                         | 101 <u>et s</u> | eq and applicable   | le Federal Avia  | stion I   | Regulation  | ns, and               | that the aircraft h    | as been ins      | pected ar     | nd is airwol   | thy and eligit    | te for the               |
| ŀ   | DATE OF  |               |              | cate requested.                         | NAME AND                                 | TITLE           | 77-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-   |  |   |             | -                     | SIGNATURE              |                  |               |                |                   |                          |
|   | April 1  |               |              | =                                       |  |                 | ice President   | ١  |   |             |                       | المنازع المناسبين      | <u></u>          |               | )              |                   |                          |
|   |  |               |              |   |  |                 | CTED AND FOUN   | <u> </u>   | N/ DV   |             |                       | منية المساحدة          | و کر ک           |               |                |                   | <del></del>              |
| _   | A. IHE   | _             |              | art 121 CERTIFI                         |  | 1255E           |   | ED MECHANI   |   |             |                       |                        |                  |               | TATION «       | Sive Certificate  |                          |
| 2 3                                       | 2  |               |              | Scente Mo.)                             | DATE HOLDEN                              | 3               | CENTION   | LD MILCHAN   | ic (on  | re Laruscus | * /90.)               | 6                      | IFICATEDIA       | SEFFAIR S     | i A i i Ori (c | MAA CHUMCER       | wa,                      |
| 25.5                                      | eser<br>Grea   | AIR           | CRAF         | T MANUFACTU                             | RER (Give name or                        | [5322]<br>Grant |   |  |   |             |                       |                        |                  |               |                |                   |                          |
| 2 2 E                                     | 5  |               |              | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 712.11 (G72.112.12 G                     |                 |   |  |   |             |                       |                        |                  |               |                |                   |                          |
| IV. BISPECTION<br>AGENCY<br>VERIFICATION  | DATE   | <b>!</b>      |              |   | TITLE                                    |                 |   |  |   |             |                       | SIGNATURE              |                  |               |                |                   |                          |
|   |  |               |              |   |  |                 |   |  |   |             | ]                     |                        |                  |               |                |                   |                          |
|   | (Check ALL   | applio        | able b       | took items A and B)                     |  |                 |   |  |   | THE         | ERTIF                 | CATE REQUEST           | TED              |               |                |                   |                          |
| × ×                                       |  |               |              |   | Section I or VII m                       | eets rec        | uirements for   | le.  | 4   |             |                       | T OR MODIFICAT         |                  | IRRENT.       | AIRWORT        | HINESS CEI        | RTIFICATE                |
| A E B                                     | 8. Inspec  | tion f        | or a s       | pecial permit una                       | ter Section VII wa                       | 15              | FAA IN  | SPECTOR  |   |             |                       | FAA DESIGNEE           |                  |               |                |                   |                          |
| Z m Z                                     | condu  | cted t        | ıy:          |   |  |                 | CERTIF  | ICATE HOLD   | ER U  | NDER        | + +                   | 14 CFR part 65         | 14 C             | FR part 1     | 21 OR 13       | 5 14 CI           | R part 145               |
| V. FAA<br>REPRESENTATIVE<br>CERTIFICATION | DATE   |               |              | DISTRICT OFF                            | ICE [                                    | DES             | GNEE'S SIGNATI  | IRE AND NO.  |   |             |                       | 130,770                | SPECTOR          | 'S SIGNA      | TURE           |                   |                          |
| 20  | an Ast .   |               |              | Atlanta M                               | IDO 🌁                                    | 1               | u   | A445   | ے ،   |             | 10:                   | - [1]                  |                  |               |                |                   |                          |
|   | MAY IC   | , 24          | אנ           | Adams M                                 | E  | <u> </u>        | nowkoon   | DARF   | 76  | MOT         | ن) ب                  | · Edil                 |                  |               |                |                   |                          |

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|  | A. N  | MANUFACI   | URER  |  |   |                                 |                        |  | •                                    |  |  |                |  |  |
|--|---|--|---|--|---|---------------------------------|------------------------|--|--------------------------------------|--|--|----------------|--|--|
|  | NAI   | NAME ADDRESS   |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
| M. PRODUCTION<br>FLIGHT TESTING                                  | 8.  | B. PRODUCTION BASIS (Check applicable itera)   |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
| §€   | PRODUCTION CERTIFICATE (Give production certificate number)                         |  |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
| E 5  |   | T  | YPE CERT  | FICATE ONLY                              |   |                                 |                        |  |                                      |  |  |                |  |  |
| <b>5</b> E   | l   | A  | PPROVED   | PRODUCTION IF                            | ISPECTION SYSTEM  |                                 |                        |  |                                      |  |  |                |  |  |
|  | C. (  | GIVE QUAN  | ITITY OF C                                      | ERTIFICATES R                            | EQUIRED FOR OPERATING NE  | EDS                             | _                      |  |                                      |  |  |                |  |  |
|  | DAT   | TE OF APP  | JCATION   |  | NAME AND TITLE (Print or Type   | ej                              |                        |  | SIGNATUR                             | iE.  |  |                |  |  |
|  | A. DESCRIPTION OF AIRCRAFT REGISTERED OWNER   |  |   |  |   |                                 |                        | s  |                                      |  |  |                |  |  |
|  | BUI   | LDER (Make   | )   |  |   | -   N                           | HODEL                  |  |                                      |  |  |                |  |  |
|  | SERIAL NUMBER   |  |   |  |   |                                 |                        | EATION MARK  |                                      |  |  |                |  |  |
|  |   |  |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
|  | B. (  | DESCRIPTI<br>DM  | ON OF FLI                                       | GHT                                      | сиятс   |                                 | NSTRA<br>O             | TION FLIGHTS   | (Check if appli                      | cathej   |  | <u>.</u>       |  |  |
| TEST   | VIA   | :  |   |  |   | C                               | EPART                  | URE DATE   |                                      | DURATION   |  |                |  |  |
| רפאן   | C. 4  | CREW REC   | UIRED TO  | OPERATE THE                              | AIRCRAFT AND ITS EQUIPMEN   | π                               |                        |  |                                      |  |  |                |  |  |
| <b>X</b>   |   |  | LOT   |  | PILOT FLIGHTEN  |                                 |                        | OTHER (Specify)  | •                                    |  |  |                |  |  |
| SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST | D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS: |  |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
| ER THA   |   |  |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
| ES OTH   |   |  |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
| I PURPO  |   |  |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
| HT PERM  | E. 1  | E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION: (Use attachment if necessary) |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
| WIL FLIG   |   |  |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
|  |   |  |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
| Z,   |   |  |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
|  |   |  |   |  |   |                                 |                        |  | 4                                    |  |  |                |  |  |
|  |   |  |   |  |   |                                 |                        |  |                                      |  |  |                |  |  |
|  | F. C  | CERTIFICAT<br>Ordance with   | FION - 1 he<br>Title 49 of                      | reby certify that I<br>the United States | am the registered owner (or his ag<br>Code 44101 et seg, and applicat | gent) of the a<br>ble Federal A | ircraft d<br>viation ( | escribed above; that the<br>Regulations; and that th   | aircraft is regi<br>e aircraft has b | stered with the Federal Avi<br>een inspected and is safe I | ation Administration<br>for the flight descr | on in<br>ibed. |  |  |
|  | DAT   | E  |   | NAME AND TI                              | TLE (Print or Type)   |                                 |                        | 2  | SIGNATURE                            |  |  |                |  |  |
| •  |   |  |   | i<br>tions and Marking                   | s in Compliance with 14 CFR Sec                                       | ztion 91.9,                     | Π                      | G. Statement of Con  | formity, FAA F                       | orm 8130-9 (Attach when n                                  | equired)                                     |                |  |  |
| 200 ACE 100  | 1   |  | plicable.<br>nt Operatin                        | g Limitations Alta                       | ched  |                                 | $\vdash$               | H. Foreign Airworthin<br>(Attach when reg  | ness Certification                   | · · · · · · · · · · · · · · · · · · ·                      |  |                |  |  |
| THERES<br>LADESIC  |   | C. Data,   | Drawings,                                       | Pholographs, etc.                        | (Altauh when required)  |                                 | <b> </b>               |  |                                      | Issued in Accordance with                                  | 1  |                |  |  |
| HIL ARTHOGHENESS<br>DOCUMENTATION (FAADESIDNEE<br>ONV)           | <b>✓</b>  | D. Curre   | nt Weight a                                     | nd Balance inform                        | nation Available in Aircraft  |                                 |                        | 14 CFR Section 21  | 191 (a)                              |  |  |                |  |  |
| AT METER 1   |   | E. Major Repair and Alteration, FAA Form 337 (Attach when required)                                      |   |  |   |                                 | 1                      | J. Current Airworthiness Certificate Issued in Accordance with 14 CFR Section 21.191 (a) (Cops |                                      |  | (Copy Attached)                              |                |  |  |
| 8  | 1   | F. This in   | F. This inspection Recorded in Aircraft Records |  |   |                                 |                        | K. Light-Sport Aircraft Statement of Compliance, FAA Form 8130-15 (Affach when required)       |                                      |  |  |                |  |  |

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|                    | DE  |                               | UNITED STATES OF AMER F TRANSPORTATION - FEDERAL ECIAL AIRWORTHINESS ( | AVIATION ADMINISTRATION                             |  |  |  |  |  |  |  |  |
|--------------------|---|-------------------------------|--|---|--|--|--|--|--|--|--|--|
| Α                  | CATEGORY<br>PURPOSE   | TOO GENERALIZED DEVELOTIFIERS |  |   |  |  |  |  |  |  |  |  |
| В                  | NAME N/A  |                               |  |   |  |  |  |  |  |  |  |  |
| С                  | FLIGHT TO N/A   |                               |  |   |  |  |  |  |  |  |  |  |
| D                  | N- 6542<br>BUILDER  |                               | ER AIRSHIPS LLC  | SERIAL NO. 400-01<br>MODEL POLAR 400                |  |  |  |  |  |  |  |  |
| E                  | DATE OF ISS   | SUANCE N                      | IAY 10, 2010<br>NS DATED MAY 10, 201                                   | EXPIRY NOV 9, 2010  OARE A PART OF THIS CERTIFICATE |  |  |  |  |  |  |  |  |
| E                  | SIGNATURE OF  | FAA REPRESE                   | John Hankinson   | DARF501107CE  |  |  |  |  |  |  |  |  |
| Any<br>impr<br>ACC | Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS. |                               |  |   |  |  |  |  |  |  |  |  |
| AA FO              | ORM 8130-7 (10/82)  |                               |  | SEE REVERSE SI                                      |  |  |  |  |  |  |  |  |

| Α | This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).   |
|---|--|
| В | This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire: and/or (2) Carrying persons not essential to the purpose of the flight.   |
| С | This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.   |
| D | This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country. |
| E | Unless sooner surrendered; suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.   |

☆U. S. GPO: 1988-562-538

|                     | UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION SPECIAL AIRWORTHINESS CERTIFICATE |  |   |  |  |  |  |  |  |  |  |
|---------------------|---|--|---|--|--|--|--|--|--|--|--|
| Α                   | CATEGORY<br>PURPOSE   | CATEGORY/DESIGNATION EXPERIMENTAL PURPOSE RESEARCH AND DEVELOPMENT   |   |  |  |  |  |  |  |  |  |
| В                   | MANU-<br>FACTURER   | NAME N/A ADDRESS N/A   |   |  |  |  |  |  |  |  |  |
| С                   | FLIGHT  | FROM N/A TO N/A  |   |  |  |  |  |  |  |  |  |
|                     | N- 6542   | B  | SERIAL NO. 400-01   |  |  |  |  |  |  |  |  |
| L                   | BUILDER B   | LACKWATER AIRSHIPS LLC   | MODEL POLAR 400   |  |  |  |  |  |  |  |  |
|                     | DATE OF IS  | SUANCE LIFOV 9, 2009   | EXPIRY MAY 8, 2010  |  |  |  |  |  |  |  |  |
| E                   | OPERATING   | LIMITATIONS DATED  | ARE A PART OF THIS CERTIFICATE  |  |  |  |  |  |  |  |  |
| -                   | SIGNATURE OF  | FAA REPRESENTATIVE   | DESIGNATION OR OFFICE NO.   |  |  |  |  |  |  |  |  |
|                     |   | INSON J. Hamloon   | DARF501107CE  |  |  |  |  |  |  |  |  |
| Any<br>impri<br>ACC | alteration, reprisonment not ex<br>ORDANCE WIT  | oduction or misuse of this certificate may be p<br>xceeding 3 years, or both. THIS CERTIFICATE I<br>TH APPLICABLE FEDERAL AVIATION REGULAT | unishable by a fine not exceeding \$1,000 or MUST BE DISPLAYED IN THE AIRCRAFT IN TONS. |  |  |  |  |  |  |  |  |
| FAA FO              | PRM 8130-7 (10/82)  |  | SEE REVERSE SIDE  |  |  |  |  |  |  |  |  |

| A | This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).   |
|---|--|
| В | This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire: and/or (2) Carrying persons not essential to the purpose of the flight.  |
| С | This airworthiness certificate authorizes the flight specified on the reverse side for the purpose, shown in Block A.  |
| D | This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate: (2) over any foreign country without the special permission of that country. |
| Ε | Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.   |

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## SPECIAL EXPERIMENTAL RESEARCH and DEVELOPMENT OPERATING LIMITATIONS

MAKE: Blackwater Airships, LLC MODEL: Polar 400

SERIAL NUMBER: 400-001 REG. NUMBER: N6542B

Date Issued: May 10, 2010 Expiration Date: Nov 9, 2010

1) No person may operate this aircraft unless Form 8130-7 is displayed at the cockpit entrance and visible to flight crew members.

- 2) No person may operate this aircraft for other than the purpose of Research and Development, to accomplish the flight operation outlined in the program letter dated April 15, 2010, which describes compliance with §21.193(d), and has been made available to the pilot in command of the aircraft. In addition, this aircraft must be operated in accordance with applicable air traffic and general operating rules of part 91, and all additional limitations herein prescribed under provisions of §91.319(e).
- 3) All flights of this aircraft must be conducted over open water or sparsely populated areas having light air traffic, within the geographic area described as follows: Within 150 nautical mile radius of the former Weeksville, NC Naval Air Station (EKV) 36°13′59.19"N, 76°08′0.01"W.
- 4) This aircraft must not be operated unless it is inspected and maintained in accordance with the manufacturers recommendations. The owner/operator must select, establish, identify, and use an inspection program as set forth in §91.409(e), (f), (g) and (h). This inspection program must be recorded in the aircraft maintenance records.
- 5) The pilot in command of this aircraft must hold an appropriate category/class rating. If required for the type of aircraft to be flown, the pilot in command also must hold either an appropriate type rating or a letter of authorization issued by an FAA Flight Standards Operations Inspector.
- 6) This aircraft is to be operated under VFR, day and/or night.
- 7) No person may operate this aircraft for carrying persons or property for compensation or hire.
- 8) No person may be carried in this aircraft during flight unless that person is essential to the purpose of the flight.
- 9) The pilot in command of this aircraft must advise each passenger of the experimental nature of this aircraft, and explain that it does not meet the certification requirements of a standard certificated aircraft.

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- 10) This aircraft must contain the placards, markings, etc. required by §91.9(c).
- 11) This aircraft is prohibited from aerobatic flight, that is, an intentional maneuver involving an abrupt change in the aircrafts attitude, an abnormal attitude, or abnormal acceleration not necessary for normal flight.
- 12) No person may operate this aircraft unless within the preceding 12 calendar months it has had a condition inspection performed in accordance with appendix D of part 43, or other FAA approved program, and was found to be in a condition for safe operation. This inspection will be recorded in the aircraft maintenance records.
- 13) Only FAA certificated mechanics with appropriate ratings as authorized by §43.3 may perform inspections required by these operating limitations.
- 14) Inspections must be recorded in the aircraft maintenance records showing the following, or a similar worded statement: "I certify that this aircraft has been inspected on [insert date] in accordance with the scope and detail of appendix D to part 43, or other FAA approved program, and was found to be in a condition of safe operation." The entry will include the aircraft's total time-in-service, and the name, signature, certificate held by the person performing the inspection.
- 15) This aircraft must display the word "EXPERIMENTAL" in accordance with §45.23(b).
- 16) The pilot in command of this aircraft must notify air traffic control of the experimental nature of this aircraft when operating into or out of airports with operating control towers. The pilot in command must plan routing that will avoid densely populated areas and congested airways when operating VFR.
- 17) Aircraft instruments and equipment installed and used under §91.205 must be inspected and maintained in accordance with the requirements of parts 43 and 91. Any maintenance or inspection of this equipment must be recorded in the aircraft maintenance records.
- 18) Application must be made to the Atlanta MIDO for any revision to these operating limitations.

19) Section §47.45 requires that the FAA Aircraft Registry must be notified within 30 days of any change in the aircraft registrant's address. Such notification is to be made by submitting Form 8050-1 to AFS-750 in Oklahoma City, Oklahoma.

May 10, 2010

Date

FAA Representative

John Hankinson

DARF501107CE Designation

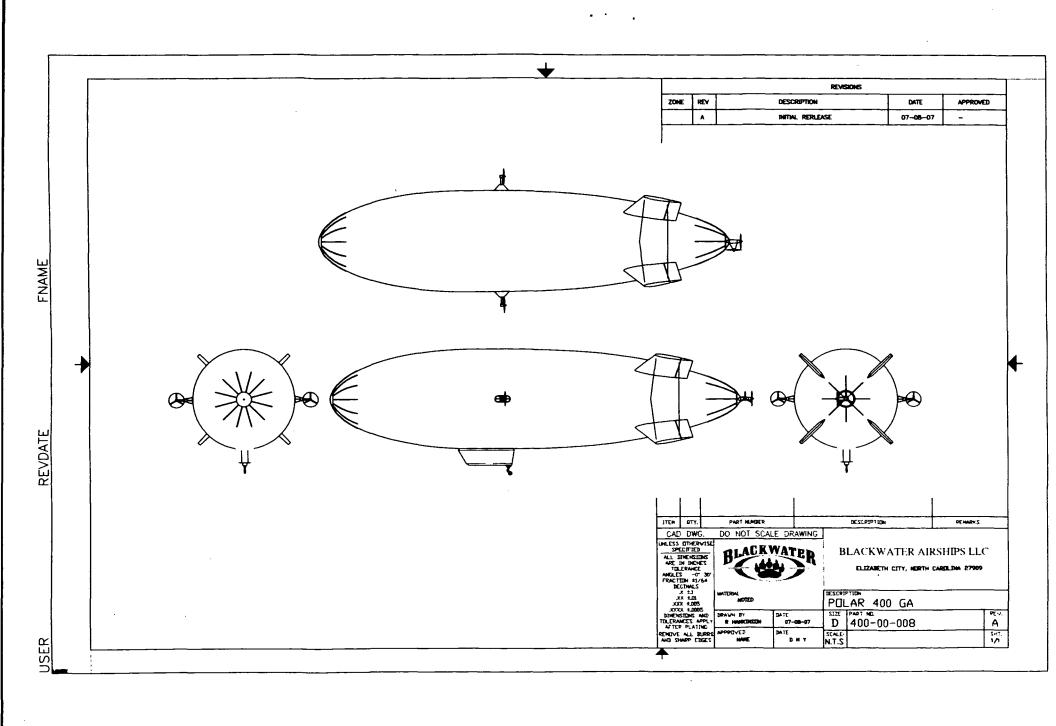
These operating Limitations have been explained, are understood and accepted

May 10, 2010

Date

Pilot in Command

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## FAA FORM 8130-6, APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE

Form Approved O.M.B. No. 2120-0018 Exp. date: 12/31/2010

| of Transp<br>Federal                      | APPLICATION FOR U.S. Department of Transportation of Transportation Federal Aviation Administration  1. REGISTRATION MARK    APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE   All CARCAPT BUILDER'S NAME (MAKE) |              |              |                                       |                            |                              |  | INSTRUCTIONS - Print or type. Do not write in shaded areas, these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use attachment. For special flight permits complete Sections II, VI and VII as applicable.  3. AIRCRAFT MODEL DESIGNATION 4. YR. MFR. FAA CODING 3880 3880 3880 3880 3880 3880 3880 388 |   |                 |                                       |                           |                                       |                                     |   |  |
|---|---|--------------|--------------|---------------------------------------|----------------------------|------------------------------|--|--|---|-----------------|---------------------------------------|---------------------------|---------------------------------------|-------------------------------------|---|--|
|   |   |              | TION         | I MARK                                |                            |                              |  |  |   | AODEL DES       | SIGNATI                               | ON                        | 4. YR. MFR.                           | FAA                                 | CODING  |  |
| L AIRCRAFT<br>DESIGNATION                 | N6542<br>5. AIRCE   |              | SER          | IAI NO                                | Blackwater  6. ENGINE BUIL |                              |  |  | Polar 400 2007 2007 Polar House Model Designation   |                 |                                       |                           |                                       |                                     |   |  |
| % <b>≸</b>                                |   |              |              |                                       |                            |                              |  |  |   | A COLLINS       | •                                     |                           |                                       | PALESTALATA DESCRIPTOR A CONTRACTOR |   |  |
| 7 S S                                     |   |              |              |                                       |                            |                              | Centur                                   |  | R MODEL   | DESIGN          | ATION                                 | 11                        |                                       | RAFT IS (Check if applicable)       |   |  |
|   | 1 (One  | :)           |              |                                       | MT-Propell                 |                              |  | MTV-   | 6-A-  | CR(H)/C         | RRD                                   | 175-05                    | <u> </u>                              | IMPO                                |   |  |
|   | APPLICA   | TION         | IS H         | EREBY MADE F                          | OR: (Check applio          |                              |  |  |   |                 |                                       |                           |                                       |                                     |   |  |
|   | A 1   |              | _            | _                                     |                            |                              | E (Indicate Category                     | <del>   </del>   | RIAAL   | ULU174          |                                       | ACROBATIC                 | TRANSPORT                             | COM                                 | BALLOON OTHER   |  |
|   | В   | 1            | SPI          | ,                                     | HINESS CERTIF              | ICATE (                      | Check appropriate de                     | rna)   |   |                 |                                       |                           |                                       |                                     |   |  |
|   |   | 7<br>9       |              | PRIMARY<br>LIGHT-SPORT                | POWER-P                    | ADACI                        | a cre                                    |  | - C. H. C. C. C. C.   | mar Cum         | <u> T</u>                             | LIGHTER THAN AIR          |                                       |                                     |   |  |
|   |   | 2            |              | LIMITED                               | (maicate Classy            |                              | AIRPLANE                                 | FOWERF   | AKALI   | 301E            | WERGH                                 | IT-SHIFT-CONT             | ROL GLID                              | EH                                  | LIGHTER THAT AIR  |  |
|   |   |              |              |                                       |                            | 338                          | CLASSI                                   |  |   |                 |                                       |                           |                                       |                                     |   |  |
| _   |   | 5            |              | PROVISIONAL                           | (Indicate Class)           | 2                            | CLASS II                                 |  |   |                 |                                       |                           |                                       |                                     |   |  |
| SIE                                       |   | 338)<br>1111 |              |                                       |                            | 10                           | AGRICULTUR                               | E AND PE   | ST CO   | NTROL           | 2                                     | AERIAL S                  | BURVEY                                | 3                                   | AERIAL ADVERTISING  |  |
| 2   |   | 3            |              | RESTRICTED (                          | Indicate operation(s)      | 4                            | FOREST (Wild                             | ile Conservati   | ian)  |                 | <b>?5</b> (                           | PATROLL                   | ING                                   | 6                                   | WEATHER CONTROL   |  |
| CERTIFICATION REQUESTED                   |   |              |              |                                       |                            | 0                            | OTHER (Speed)                            | OTHER (Specify)  |   |                 |                                       |                           |                                       |                                     |   |  |
| Ž   |   |              |              |                                       |                            | 1 1                          | RESEARCH A                               | ND DEVEL   | OPME  | ENT             | 2                                     | AMATEU                    | TEUR BUILT                            |                                     | EXHIBITION  |  |
| Ž,  |   | 0.7          |              | EXPERIMENTA operation(a) to be        |                            | 4                            | AIR RACING                               | 6.   |   | CREWITE         |                                       | 6;                        | MARKET SURVEY                         |                                     |   |  |
| <b>X</b>                                  |   | 4            | 1            |                                       |                            | 0.                           | TO SHOW CO                               | MPLIANCE WITH THE CFR 7  |   |                 | 1.55.251                              |                           |                                       | W KIT BUILT AIRCRAFT                |   |  |
| 8   |   |              |              |                                       |                            | 8                            | OPERATING                                | 8A   | 8A: Existing Aircraft without an airworthiness cartificate & do not meet § 103.1  Operating Light-Sport Kil-Built |                 |                                       |                           |                                       | § 103.1                             |   |  |
| =   |   |              |              |                                       |                            |                              | LIGHT-SPORT                              | 8C   | 36<br>36  | +               |                                       |                           | ed special light-sport                | codenoary                           | ainworthiness pertificate under § 21.190                                  |  |
|   |   | 2012         |              |                                       |                            | 1                            | FERRY FLIGH                              | 21,2548,41   | PAIRS   |                 |                                       | <u> </u>                  | E, OR STORAGE                         |                                     | •   |  |
| į   |   |              |              | SPECIAL FLIGH                         | IT PERMIT                  | 2                            | <del> </del>                             | EVACUATION FROM AREA OF IMPENDING DANGER   |   |                 |                                       |                           |                                       |                                     |   |  |
|   |   | 8            |              |                                       | (s) to be conducted,       | 3                            | OPERATION I                              | OPERATION IN EXCESS OF MAXIMUM CERTIFICATED TAKE-OFF WEIGHT  |   |                 |                                       |                           |                                       |                                     |   |  |
|   |   | я.           |              | applicable on rever                   | te side)                   | 4                            | DELIVERING                               | OR EXPOR   | TING  |                 | 6                                     | PRODUC                    | TION FLIGHT TE                        | STING                               |   |  |
| ļ   |   |              |              | <u> </u>                              |                            | 6.                           | CUSTOMER                                 |  |   |                 |                                       |                           |                                       |                                     |   |  |
|   | C 6   |              |              |                                       |                            |                              | (check ABOVE "Ra                         | dricted Opera  | tion" en  | d "Standard"    | or "Limited                           | F es applicable)          |                                       |                                     |   |  |
|   | A. REGISTERED OWNER (As shown on certificate of eircraft registration)  NAME  |              |              |                                       |                            |                              |  |  |   |                 |                                       | CK HERE -                 |                                       |                                     | <u> </u>  |  |
|   | В   | lack         | cwal         | ter Airships,                         | LLC                        |                              |  |  | , AUU   | PO E            | 30x 1029,                             | Moyock NC 3               | 27958-1029                            |                                     |   |  |
| <b>z</b>                                  | B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)   |              |              |                                       |                            |                              |  |  |   |                 |                                       |                           |                                       |                                     |   |  |
| 2   | AIF<br>Rev  | CRAI         | FTSI<br>(o.) |                                       | OR TYPE CERTIF             | ICATE                        | DATA SHEET (GA                           | number of the last 4D SUPPLEMENT available in the biweekly socies as of the date of application)   |   |                 |                                       |                           |                                       |                                     |   |  |
| 5   | AIR   | CRA          | FTII         | N/A<br>STING (Give page               | menharin)!                 |                              |  |  |   |                 |                                       |                           | FICATE (List numbe                    |                                     | N/A   |  |
| S CERTIFICATION                           |   |              |              | N/A                                   |                            |                              |  |  |   | - COLLEGE       | N/A                                   |                           | TOTTI C (Dui nama)                    | THE OF EACH                         |   |  |
| . ña∠ l                                   |   |              |              | ECORDS IN                             | MAINTENANCE R              |                              |  |  |   |                 | Deal                                  | EXPERIMEN                 | ITAL ONLY IEN                         | bourn fire                          | wn since last certificate issued or                                       |  |
| OWNE                                      | CC  |              | IANO         | E WITH 14 CFR                         |                            |                              |  |  |   |                 |                                       | renewed) 293              |                                       |                                     |   |  |
| 텀   | D. CER  | TIFIC        | ATIC         | N - I hereby certitle 49 of the Unite | ity that I am the re       | gistered<br>4101 <u>et s</u> | l owner (or his ag<br>seg . and applicat | ent) of the a<br>de Federal  | ircraft<br>Aviatio  | described a     | nti, evode<br>one, and                | at the aircraft           | is registered with                    | the Fe                              | deral Aviation Administration in<br>Id is alloworthy and eligible for the |  |
| }   | DATE O  |              |              | icate requested.<br>ATION             | NAME ANI                   | TITLE                        | (Print or type)                          |  |   |                 | · · · · · · · · · · · · · · · · · · · | SIGNATURE                 | · · · · · · · · · · · · · · · · · · · |                                     | 7   |  |
|   | Octob   | er 20        | 0, 20        | 009                                   | Alan Ra                    | m (\                         | /ice Presiden                            | t)   |   |                 |                                       | 1                         | a-                                    |                                     |   |  |
|   | A. THE  | AIRC         | RAF          | T DESCRIBED A                         | BOVE HAS BEEN              | INSPE                        | CTED AND FOU                             | D AIRWO  | RTHY  | BY: {Cample     | ete the sec                           | tion only if 14 C         | FR part 21.183(d) ap                  | pties.                              |   |  |
| MOH.                                      | 2   |              |              | part 121 CERTIF                       | ICATE HOLDER               | 3                            | CERTIFICA                                | TED MECH   | IANIC   | (Give Certifica | ete No.)                              | 6 CE                      | ERTIFICATED RE                        | PAIR S                              | TATION (Give Gertilicate No.)   |  |
| IV. INSPECTION<br>AGENCY<br>VERIFICATION  | 5   | AIR          | CRA          | FT MANUFACTU                          | JRER (Give name o          | e firm)                      |  |  |   |                 |                                       |                           |                                       |                                     |   |  |
|   | DATE  |              |              | 10 =5                                 | TITLE                      |                              |  |  |   |                 |                                       | SIGNATURE                 |                                       |                                     |   |  |
| Įu  |   |              |              | block items A and B)                  | Section For VII n          | nagle re-                    | milromanie for                           |  |   | <del></del>     |                                       | ICATE REQU                |                                       |                                     |   |  |
| Y E S                                     |   |              |              |                                       | der Section VII w          |                              | ·  | ISPECTOR   | 4   | AME             |                                       | T OR MODIFI<br>FAA DESIGN |                                       | RENT                                | AIRWORTHINESS CERTIFICATE   |  |
| 3 E 2                                     | condi   |              |              | -porting di                           |                            |                              |  |  |   | UNDER           | -                                     | 14 CFR part 6             | · · · · · · · · · · · · · · · · · · · | R part 1                            | 21 OR 135 14 CFR part 145   |  |
| V. FAA<br>REPRESENTATIVE<br>CERTIPICATION | DATE  | _            |              | DISTRICT OFF                          | 3                          | 55 L                         | IGNEE'S EGNAT                            | ATURE AND NO. FAA INSPECTOR'S SIGNATURE  |   |                 |                                       |                           |                                       |                                     |   |  |
|   | •   | - 20         |              | <u> </u>                              | Edition Date               | <b>1.</b>                    | 1ankean                                  |  |   | 0110            | <del></del>                           |                           | t Ainemoft                            |                                     | NISNI: 0052 00 024 700  |  |

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|  | A. N   | ANUFACTUR                        | R                  |  |  |                                       |                          |  |  |   |                              |                                       |                |
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| 2.0  |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
| H. PRODUCTION<br>RJGHT TESTING                                   | B. (   | RODUCTION                        | BASIS              | (Check applicable item                         | n)   | _                                     |                          |  |  |   |                              |                                       |                |
| 300 P  | _  | PROL                             | UCTIO              | ON CERTIFICATE                                 | (Give production certificate numb                        | ber) —                                |                          | •  |  |   |                              |                                       |                |
| 2.3  |  | TYPE                             | CERT               | IFICATE ONLY                                   |  |                                       |                          |  |  |   |                              |                                       |                |
| 2 m  |  | APPR                             | OVED               | PRODUCTION IN                                  | SPECTION SYSTEM  |                                       |                          | ·  |  | ·   |                              |                                       |                |
|  |  |                                  |                    | CERTIFICATES RE                                | QUIRED FOR OPERATIN                                      |                                       |                          |  |  |   |                              |                                       |                |
|  | DAT  | E OF APPLICA                     | TION               |  | NAME AND TITLE (Print o                                  | ог Гуреј                              |                          |  | SIGNATUR                               | ₹E  |                              |                                       |                |
|  | A. (   | DESCRIPTION                      | OF AII             | RCRAFT   |  |                                       |                          |  | 1                                      |   |                              |                                       |                |
|  | REC  | SISTERED OW                      | NER                | · · · · · · · · · · · · · · · · · · ·          |  | 7                                     | ADDRES                   | \$   |  |   |                              |                                       |                |
|  | BUI  | LDER (Make)                      |                    |  |  | <u></u>                               | MODEL                    |  |  |   |                              |                                       |                |
|  |  | ,                                |                    |  |  | ľ                                     |                          |  |  | -   |                              |                                       |                |
|  | SEF  | HAL NUMBER                       |                    |  |  | 1                                     | REGISTE                  | RATION MARK                                      |  |   |                              |                                       |                |
|  |  | DESCRIPTION                      | OF FL              | IGHT   | C  | USTOMER DEMO                          |                          | TION FLIGHTS                                     | (Check if app                          | (cable)                                     |                              |                                       |                |
|  | FRC  | DM .                             |                    |  |  |                                       | TO                       |  |  |   |                              |                                       |                |
| SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST | VIA  |                                  |                    |  |  |                                       | DEPART                   | URE DATE   |  | DURATION                                    |                              |                                       |                |
| F 50   | -  | OBEW REQUIE                      | ED TO              | OPERATE THE                                    | AIRCRAFT AND ITS EQUIP                                   | MENT                                  |                          |  | ·                                      | <u></u>                                     |                              |                                       |                |
| <u> </u>   | <u> </u>   | PILO                             |                    |  |  | HT ENGINEER                           |                          | OTHER (Specifi                                   | y)                                     |   |                              |                                       |                |
| ₽  | D.   |                                  |                    |  | APPLICABLE AIRWORTH                                      |                                       | MENTS                    |  | <u>''</u>                              |   |                              |                                       |                |
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| 1 A  |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
| 85   |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
| <b>E</b>   |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
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| S S  |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
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| P3661  |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
| 1 PE   | E.   | THE FOLLOWII                     | IG RE              | STRICTIONS ARE                                 | CONSIDERED NECESSA                                       | RY FOR SAFE O                         | PERATIO                  | DN: (Use attachment if n                         | ceasary)                               |   |                              |                                       |                |
| 3  |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
| A F  | l  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
| 23   |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
| 8 8  |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
| _ >  |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
|  | l  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
|  |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       | 1              |
|  |  |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       |                |
|  | <del> </del>                                     |                                  |                    |  |  |                                       |                          |  |  |   |                              |                                       | 1              |
|  | acc  | DERTIFICATION<br>Ordance with Ti | V – Ih:<br>Se 49 d | ereby certify that I a<br>of the United States | am the registered owner (or<br>Code 44101 et seg, and ap | his agent) of the policable Federal , | aircraft d<br>Aviation I | escribed above; that it<br>Regulations; and that | he aircraft is req<br>the aircraft has | pistered with the Fed<br>been inspected and | eral Aviation<br>is safe for | on Administratio<br>the (light descri | on in<br>ibed. |
|  | DAT  | E                                |                    | NAME AND TO                                    | TLE (Print or Type)                                      |                                       |                          |  | SIGNATURE                              |   |                              |                                       |                |
|  |  |                                  |                    |  |  |                                       |                          | Γ  |  |   |                              |                                       |                |
|  | <del>                                     </del> |                                  |                    | ations and Marking                             | s in Compliance with 14 CF                               | R Section 91.9,                       | T                        | G. Statement of Co                               | wfomity EAA                            | Form 8130-9 (Attach                         | udana ana                    | uimdi                                 |                |
| 9<br>9   | H  | as applic                        |                    |  |  | ·                                     | +                        |  |  |   |                              | uneuj                                 |                |
| SS   | <b>✓</b>   | B. Current C                     | perati             | ng Limitations Atta                            | ched   | <u> </u>                              |                          | H. Foreign Airworth<br>(Attach when re           |  | ion for Import Aircraf                      |                              |                                       |                |
| AADES  |  | C. Data, Dr.                     | wings              | , Pholographs, etc.                            | (Altach when required)                                   |                                       | ,                        | I. Previous Airworti                             | niness Certifical                      | te Issued in Accorda                        | nce with                     |                                       |                |
| VII. ARWORTHERESS DOCLINGHTATION FAADESIGNEE UND OTTE )          | <b>✓</b>   | D. Current \                     | Veight             | and Balance inform                             | nation Available in Aircraft                             |                                       | 1_                       | 14 CFR Section _2                                | 11.191 (a)                             | CAR   |                              | (Original Albache                     | d)             |
| VAIL   |  | E. Major Re                      | pair ar            | nd Alteration, FAA F                           | Form 337 (Attach when required                           | a                                     | _ ✓                      | J. Current Airworth<br>14 CFR Section            |  | e Issued in Accordan                        | ice with                     | (Copy Attached)                       |                |
| 2000   | 1  | F. This insp                     | ection             | Recorded in Aircraf                            | ît Records   |                                       |                          | K. Light-Sport Airci<br>required)                | raft Statement o                       | of Comptiance, FAA F                        | Form 8130                    | -15 (Altach whe                       | 90             |

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|--------------------|---|--|--|---------------------------------|---------------------------|--|--|--|--|--|
|                    | DEI   |  |  |                                 |                           | AVIATION ADMINISTRATION ERTIFICATE   |  |  |  |  |
| Α                  | CATEGORY                                      | /DESIGNATION   | EXE                                      | PERIM                           | IENT                      | AL   |  |  |  |  |
|                    | PURPOSE                                       | RESEARCH   | AND I                                    | EVEI                            | JOPM                      | ENT  |  |  |  |  |
| В                  | MANU-   | NAME   | N/A                                      |                                 |                           |  |  |  |  |  |
| ٢                  | FACTURER                                      | ADDRESS  | N/A                                      |                                 |                           |  |  |  |  |  |
| C.                 | FLIGHT  | FROM   | N/A                                      |                                 |                           |  |  |  |  |  |
| Ŭ                  | FLIGHT  | то   | N/A                                      |                                 |                           |  |  |  |  |  |
| ם I                | N-6542B SERIAL NO. 400-01                     |  |  |                                 |                           |  |  |  |  |  |
| L                  |   | LACKWATER  | AIRSH                                    | IIPS                            | LLC                       | MODEL POLAR 400  |  |  |  |  |
|                    | DATE OF IS                                    | SUANCE NOV   | 200                                      | )9                              |                           | EXPIRY MAY 8, 2010   |  |  |  |  |
| E                  | OPERATING                                     | LIMITATIONS DA   | TED                                      |                                 |                           | ARE A PART OF THIS CERTIFICATE   |  |  |  |  |
| -                  | SIGNATURE OF                                  | FAA REPRESENTATIVE   | . //                                     |                                 |                           | DESIGNATION OR OFFICE NO.  |  |  |  |  |
|                    | J HANKINSON J. Hamber. DARF501107CE           |  |  |                                 |                           |  |  |  |  |  |
| Any<br>impr<br>ACC | alteration, reprisonment not e<br>CORDANCE WI | oduction or misuse oxceeding 3 years, or TH APPLICABLE FED | of this certi<br>both, THIS<br>ERAL AVIA | ficate ma<br>CERTIFI<br>TION RE | y be p<br>CATE N<br>GULAT | unishable by a fine not exceeding \$1,000 or MUST BE DISPLAYED IN THE AIRCRAFT IN FIONS. |  |  |  |  |
| FAA FO             | DRM 8130-7 (10/82)                            |  |  |                                 |                           | SEE REVERSE SIDE   |  |  |  |  |

| Α | This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).   |
|---|--|
| В | This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.  |
| С | This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.   |
| D | This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate: (2) over any foreign country without the special permission of that country. |
| E | Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.   |

**☆ U. S. GPO: 1988-562-538** 

| _                  |  | <del></del>  |  |
|--------------------|--|--|--|
|                    | DE   | UNITED STATES OF AMERI<br>PARTMENT OF TRANSPORTATION - FEDERAL<br>SPECIAL AIRWORTHINESS C  | AVIATION ADMINISTRATION  |
| A                  | CATEGORY                                     | DESIGNATION EXPERIMENT   | AL   |
|                    | PURPOSE                                      | RESEARCH AND DEVELOP   | MENT   |
| В                  | MANU-  | NAME N/A   |  |
| L                  | FACTURER                                     | ADDRESS N/A  |  |
| C                  | FUGUE  | FROM N/A   |  |
| $\square$          | FLIGHT                                       | TO NYA   | Α,   |
| D                  | N-65421                                      | BACK   | SERIAL NO. 400-001   |
| Ш                  |  | LACKWATER AIRSHIPS LLC   | MODEL POLAR 400  |
|                    |  | SUANCE JULY 10 2009  | EXPIRY NOV 9. 2009   |
| E                  |  | MATATIONS DATEDJUL 10,200  | 9ARE A PART OF THIS CERTIFICATE  |
| -                  | SIGNATURE OF                                 | A REPRESENTATIVE   | DESIGNATION OR OFFICE NO.  |
|                    | SHand  | J. HANKINSON   | DARF501107CE   |
| Any<br>impr<br>ACC | alteration, reprisonment not e<br>ORDANCE WI | oduction or misuse of this certificate may be p<br>xceeding 3 years, or both. THIS CERTIFICATE I<br>TH APPLICABLE FEDERAL AVIATION REGULAT | unishable by a fine not exceeding \$1,000 or MUST BE DISPLAYED IN THE AIRCRAFT IN FIONS. |
| FAA FC             | PRM 8130-7 (10/82)                           |  | SEE REVERSE SIDE   |

| Α | This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).   |
|---|--|
| В | This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.  |
| С | This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.   |
| D | This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate: (2) over any foreign country without the special permission of that country. |
| Ε | Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.   |
|   | <b>☆</b> U. S. GPO: 1988–562-538   |



# SPECIAL EXPERIMENTAL RESEARCH and DEVELOPMENT OPERATING LIMITATIONS

MAKE: Blackwater Airships, LLC MODEL: Polar 400

SERIAL NUMBER: 400-001 REG. NUMBER: N6542B

**Date Issued:** November 9, 2009 Expiration Date: May 8, 2010

1) No person may operate this aircraft unless Form 8130-7 is displayed at the cockpit entrance and visible to flight crew members.

- 2) No person may operate this aircraft for other than the purpose of Research and Development, to accomplish the flight operation outlined in the program letter dated October 20, 2009, which describes compliance with §21.193(d), and has been made available to the pilot in command of the aircraft. In addition, this aircraft must be operated in accordance with applicable air traffic and general operating rules of part 91, and all additional limitations herein prescribed under provisions of §91.319(e).
- 3) All flights of this aircraft must be conducted over open water or sparsely populated areas having light air traffic, within the geographic area described as follows: Within 150 nautical mile radius of the former Weeksville, NC Naval Air Station (EKV) 36°13'59.19"N, 76°08'0.01"W.
- 4) This aircraft must not be operated unless it is inspected and maintained in accordance with the manufacturers recommendations. The owner/operator must select, establish, identify, and use an inspection program as set forth in §91.409(e), (f), (g) and (h). This inspection program must be recorded in the aircraft maintenance records.
- 5) The pilot in command of this aircraft must hold an appropriate category/class rating. If required for the type of aircraft to be flown, the pilot in command also must hold either an appropriate type rating or a letter of authorization issued by an FAA Flight Standards Operations Inspector.
- 6) This aircraft is to be operated under VFR, day and/or night.
- 7) No person may operate this aircraft for carrying persons or property for compensation or hire.
- 8) No person may be carried in this aircraft during flight unless that person is essential to the purpose of the flight.
- 9) The pilot in command of this aircraft must advise each passenger of the experimental nature of this aircraft, and explain that it does not meet the certification requirements of a standard certificated aircraft.

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- 10) This aircraft must contain the placards, markings, etc. required by §91.9(c).
- 11) This aircraft is prohibited from aerobatic flight, that is, an intentional maneuver involving an abrupt change in the aircrafts attitude, an abnormal attitude, or abnormal acceleration not necessary for normal flight.
- 12) No person may operate this aircraft unless within the preceding 12 calendar months it has had a condition inspection performed in accordance with appendix D of part 43, or other FAA approved program, and was found to be in a condition for safe operation. This inspection will be recorded in the aircraft maintenance records.
- 13) Only FAA certificated mechanics with appropriate ratings as authorized by §43.3 may perform inspections required by these operating limitations.
- 14) Inspections must be recorded in the aircraft maintenance records showing the following, or a similar worded statement: "I certify that this aircraft has been inspected on [insert date] in accordance with the scope and detail of appendix D to part 43, or other FAA approved program, and was found to be in a condition of safe operation." The entry will include the aircraft's total time-in-service, and the name, signature, certificate held by the person performing the inspection.
- 15) This aircraft must display the word "EXPERIMENTAL" in accordance with §45.23(b).
- 16) The pilot in command of this aircraft must notify air traffic control of the experimental nature of this aircraft when operating into or out of airports with operating control towers. The pilot in command must plan routing that will avoid densely populated areas and congested airways when operating VFR.
- 17) Aircraft instruments and equipment installed and used under §91.205 must be inspected and maintained in accordance with the requirements of parts 43 and 91. Any maintenance or inspection of this equipment must be recorded in the aircraft maintenance records.
- 18) Application must be made to the Atlanta MIDO for any revision to these operating limitations.
- 19) Section §47.45 requires that the FAA Aircraft Registry must be notified within 30 days of any change in the aircraft registrant's address. Such notification is to be made by submitting Form 8050-1 to AFS-750 in Oklahoma City, Oklahoma.

November 9, 2009

Date

How John Hankinson

DARF501107CE

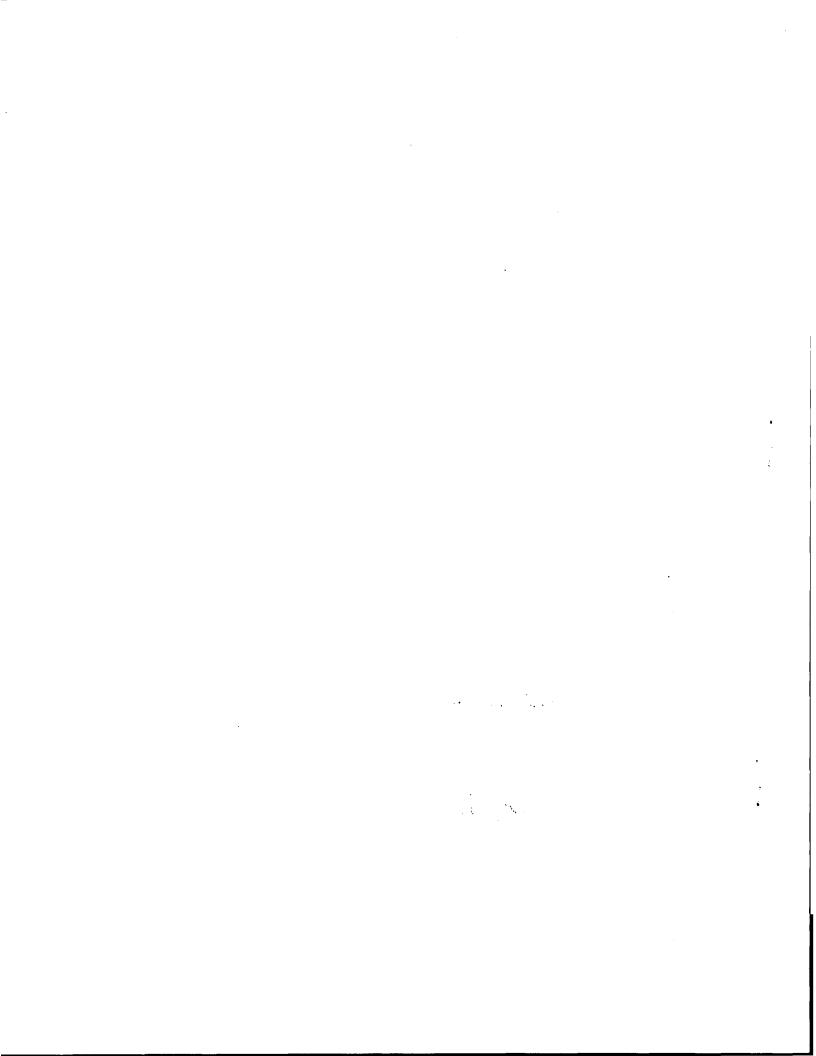
Designation

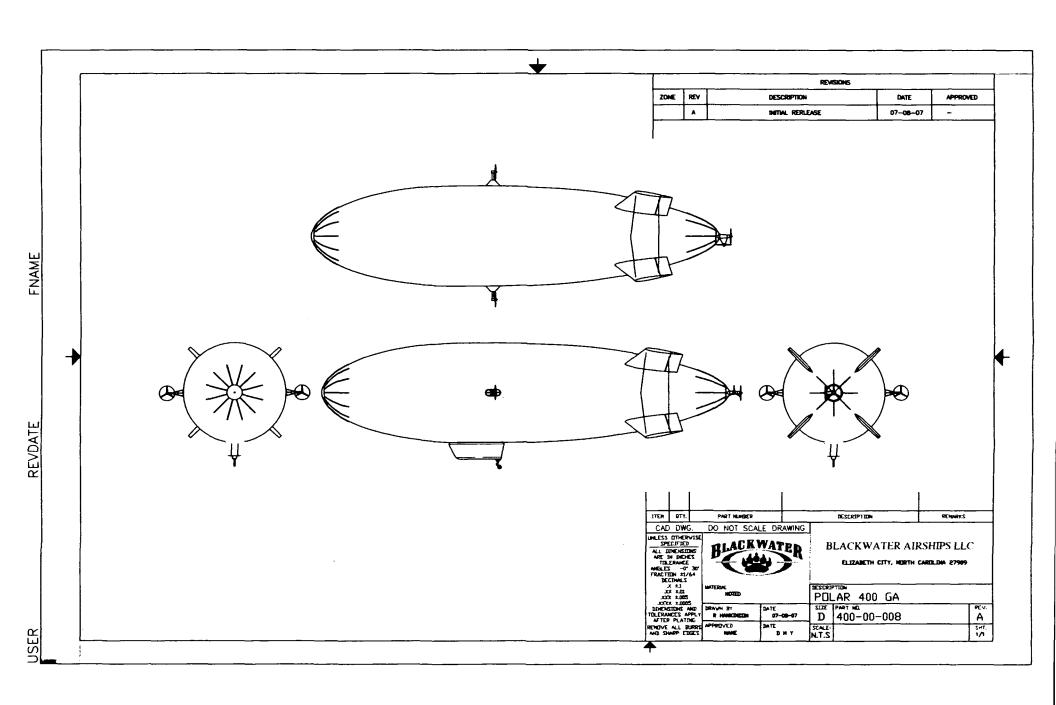
These operating Limitations have been explained, are understood and accepted

November 9, 2009

Date

Pilot in Command



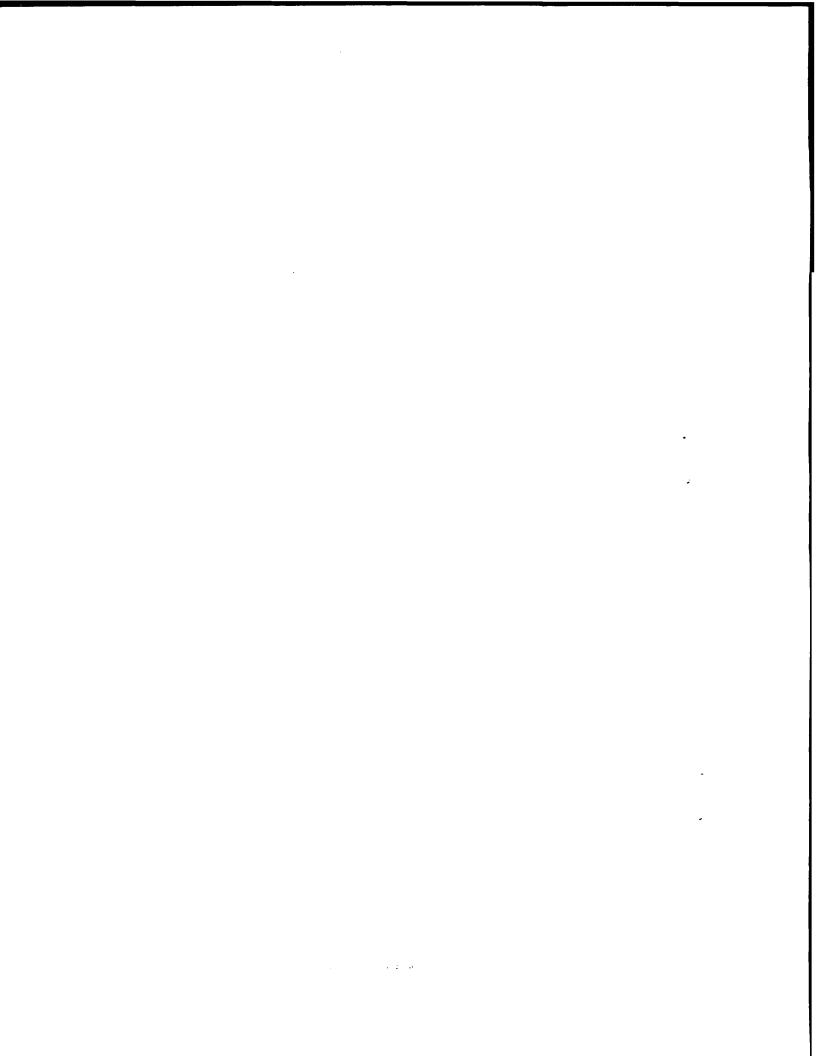


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### FAA FORM 8130-6, APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE

Form Approved
O.M.B. No. 2120-0018
Exp. deta: 13/21/2010

|   | APPLICATION FOR U.S. Department of Transportation rederal Avisition CERTIFICATE  APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE |           |          |              |  |                               |        |            |                          |  | INSTRUCTIONS - Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use attachment. For special flight permits complete. Sections II, VI and |          |                          |                    |   |                                    |                            |  |   |
|---|---|-----------|----------|--------------|--|-------------------------------|--------|------------|--------------------------|--|---|----------|--------------------------|--------------------|---|------------------------------------|----------------------------|--|---|
| Federal                                   | Avia  | tion      |          |              | (  | CERTIFIC                      | Α      | TE         |                          | ١ ٧                                      | /liasap   | opli     | cable.                   |                    | •   | ٠                                  |                            |  |   |
| Adminis                                   |   |           | STRA     | ATION        | MARK                                       | 2. AIRCRAFT B                 | UILE   | ER'S       | NAME (Make)              | 3. A                                     | VIRCRAF   | T N      | MODEL DESI               | GNAT               | ION   | 4. YR. MF                          | R. FAA                     | CODING                                   | (5.54.2.48.0.47.)                         |
| 눈종  | N   | 5542      | B        |              |  | Blackwater                    | Aíı    | ship       | s, LLC                   |  |   |          |                          | 2007               |   |                                    |                            |  |   |
| L ARCRAFT<br>DESIGNATION                  |   |           |          | SERI         | AL NO.                                     | 6. ENGINE BUIL                |        |            |                          | 7. E                                     | 7. ENGINE MODEL DESIGNATION   |          |                          |                    |   |                                    |                            |  |   |
| A A A                                     | 40  | 0-0       | )1       |              |  | Thielest Air                  |        |            |                          |  | nturia  | n 4      | .0                       |                    |   |                                    | E                          |  |   |
| 7 8                                       | l   |           |          | OF EN        | GINES                                      | 9. PROPELLER                  | BUI    | DER        | S NAME (Make)            | 11. Tartes of the function approximately |   |          |                          | k if applicable)   |   |                                    |                            |  |   |
|   | <u> </u>  | On        | _        |              |  | MT-Propell                    |        |            | <u>h</u>                 | M  | TV-6-   | A-(      | CR(H)/C                  | RRD                | 175-05                                      |                                    | IMP                        | PORT                                     |   |
|   | API   | 1         | TIO      | _            |  | OR: (Check applio             |        | _          | a- ×                     |  | NORM  | .,       | umumy                    |                    | ACROBATIC                                   | TRANSPORT                          | ros                        | AMAUTER BA                               | LLOON OTHER                               |
|   | 8   | H         | 1        |              |  | RTHINESS CER<br>HINESS CERTIF |        |            |                          |  |   | •        | Oldity                   |                    | ACROSTIC                                    | ITEMESPORT                         |                            | - NAC-101                                | LEGON OTHER                               |
|   |   | <b>!</b>  | 7        |              | PRIMARY                                    |                               |        | ,          |                          |  |   |          |                          |                    | ·   |                                    |                            |  |   |
|   |   |           | 9        |              | LIGHT-SPORT                                | Indicate Class)               |        |            | AIRPLANE                 | PO                                       | WER-PAR   | ACH      | IUTE                     | WEIGI              | -tt-shift-contro                            | L GL                               | DER                        | LIGHTER TH                               | AN AIR                                    |
|   |   |           | 2        |              | LIMITED                                    |                               | ,      |            |                          |  |   |          |                          |                    |   |                                    |                            |  |   |
|   |   |           | 5        |              | PROVISIONAL                                | Ondicate Claus)               | 1      |            | CLASS I                  |  |   |          |                          |                    |   |                                    |                            |  |   |
| a   |   |           | 1. jg    |              |  | ,,                            | 2      | $\square$  | CLASS II                 |  |   |          |                          | ाउट का             | T   |                                    | Francis                    | 1  |   |
| EST                                       |   |           |          |              | RESTRICTED A                               | ndicate operation(a)          | 1      | $\sqcup$   | AGRICULTUR               |  |   |          | NTROL                    | 2                  | AERIAL SUR                                  |                                    | 3                          |  | OVERTISING                                |
| 8   |   |           | 3        |              | to be conducted)                           | скисан орш аното;             | 4      | -          | FOREST (Wildle           |  | nservation)   | 1        |                          | 5                  | PATROLLING                                  | j                                  | 6                          | WEATHER                                  | CONTROL                                   |
| CERTIFICATION REQUESTED                   |   |           |          |              | · · · · · · · · · · · · · · · · · · ·      |                               | 0      | 7          | OTHER (Speed)            |  |   |          | NIT                      | 2                  | AMATEUR B                                   | . m T                              | 3                          | EXHIBITIO                                |   |
| 9   |   |           | Ω,       |              |  |                               | 4      | <b>V</b>   | AIR RACING               | ט טא                                     | EVELOP  | IVIE     | 741                      | 5                  | CREW TRAIL                                  |                                    | 6                          | MARKET                                   |   |
| )<br>E                                    |   | •         |          | ارا          | CYCCOMICNICA                               |                               | 0      | H          | TO SHOW CO               | MPI I                                    | ANCE W  | лты      | THE CER                  | 7                  |   |                                    | 1, 1, 1                    | BUILT AIRCR                              |   |
| ER  |   |           | 4        | [✔           | experimenta<br>operation(a) to be o        |                               |        | $\vdash$   |                          | T  | 8A  |          | 1                        | 1170001            | auf an ainwarthiness                        |                                    |                            |  |   |
| ± 0                                       |   |           |          |              |  |                               | 8      |            | OPERATING<br>LIGHT-SPORT | , F                                      | 88  |          | Operating Li             | ght-Spa            | ri Kil-Built                                |                                    |                            |  |   |
|   |   | -         |          | i            |  |                               |        |            | LIGITI-OI OILI           |  | 8C  |          | Operating liq            | hd-speci           | previously issued sp                        | necial light-spor                  | 1 category                 | ainvorthiness cer                        | lificate under § 21.190                   |
|   | 1 FERRY FLIGI   |           |          |              |  |                               |        |            |                          | IT FO                                    | R REPA  | IRS      | , ALTERATION             | ONS, N             | MAINTENANCE,                                | OR STORAC                          | Œ                          |  |   |
|   | SPECIAL FLIGHT PERMIT 2 EVACUATION  |           |          |              |  |                               |        |            |                          | FRO                                      | M AREA  | OF       | IMPENDING                | B DAN              | GER   |                                    |                            |  |   |
|   |   |           | 8        |              | (Indicate operation)<br>then complete Sect | ion VI or VII az              | 3      |            | OPERATION I              | N EX                                     | CESS O  | F M      | AXIMUM CE                | RTIFIC             | ATED TAKE-OF                                | F WEIGHT                           | <u></u>                    |  |   |
|   |   |           |          |              | applicable on reven                        | or aide)                      | 4      |            | DELIVERING (             | OR EX                                    | KPORTII   | NG.      |                          | 5                  | PRODUCTIO                                   | N FLIGHT T                         | ESTING                     |  |   |
|   |   | I Process | 1,21     |              |  |                               | 6      |            | CUSTOMER D               |  |   |          |                          |                    |   |                                    |                            |  |   |
|   | С   | 6         |          |              |  | THINESS CERT                  |        |            |                          | dricted                                  | Operation   | " and    |                          |                    |   |                                    |                            | .  |   |
|   | A.<br>NA  |           | SIE      | KEDC         | WNEH (As shown                             | on perhilicate of airc        | raft n | egistrat   | lon)                     |  | I A   | DO       |                          |                    | Moyock NC 2795                              | 0.1030                             |                            | *  |   |
|   |   | В         | lacl     | cwat         | er Airships,                               | LLC                           |        |            |                          |  |   |          | Ю во                     | rk 1029,           | , мюуоск ис. 2793                           | 8-1U29                             |                            |  |   |
| æ   | В.  |           |          |              |  | SIS (Check applical           |        |            |                          |  |   |          |                          |                    |   |                                    |                            |  |   |
| CERTIFICATION                             |   |           | CRA      |              |  | R TYPE CERTIF                 | ICA    | TE DA      | ITA SHEET (Give          | e No. a                                  | and   |          | AIRWORTH number of the I | INESS<br>(ast AD : | DIRECTIVES (CI                              | hack if all applicable in the bive | osble AD's<br>rekty serie. | are compiled will<br>a as of the date of | anoucenon:                                |
| 5   |   | AIR       | CRA      | FT LIS       | N/A<br>ITING (Give page)                   | number(n)}                    |        |            |                          |  |   | $\dashv$ | SUPPLEME                 | NTAL               | TYPE CERTIFICA                              | ATE /List num                      | bar of aac                 | h STC incorporate                        | N/A                                       |
| ERT                                       |   |           |          |              | N/A  |                               |        |            |                          |  |   |          |                          | N/A                |   | .,_,_,                             |                            |  | -7  |
| 73.0                                      | C.  | AIRC      | RAF      | T OPE        | RATION AND M                               | AINTENANCE R                  | ECC    | RDS        |                          |  |   |          |                          |                    |   |                                    |                            |  |   |
| OWNER                                     |   |           |          |              | CORDS IN<br>E WITH 14 CFR                  | TOTAL AIR                     | FRA    | ME H       | OURS                     |  |   |          |                          | 3                  | EXPERIMENTAL renewed)                       | LONLY (Enne                        | er houre fla               | mm since kast cert                       | dicate issued or                          |
|   |   | Se        | ction    | 91.41        | 7  | 155.0                         |        |            |                          |  |   |          |                          | 1.365              | 155.0                                       |                                    |                            |  |   |
| 븀   | acc   | ordar     | ICE W    | ith Tit      | e 49 of the Unite                          |                               |        |            |                          |  |   |          |                          |                    | at the aircraft is r<br>that the aircraft h |                                    |                            |  | Administration in<br>and eligible for the |
|   | airv  | vorthi    | ness     |              | cate requested.                            |                               |        |            |                          |  |   |          |                          |                    |   |                                    |                            |  |   |
|   |   |           |          | -LICA<br>009 | HUN  | NAME AND                      |        |            | ee President             | i)                                       |   |          |                          |                    | SIGNATURE                                   | 2 d                                | 9                          |  |   |
|   |   |           | <u> </u> |              | DESCRIBED AS                               |                               |        |            |                          | <del></del>                              | DIMODTI   | LV (     | BV: (Cameran             | . 45               | tion only if 14 CFR;                        | 2 ( (02/4) 2                       |                            |  |   |
| z _                                       | <u>~.</u>   |           | ·        |              | art 121 CERTIFI                            |                               | 7.5    |            | CERTIFICAT               |  |   |          |                          | -                  | CERT  |                                    |                            | TATION (Give                             | Certificate No.)                          |
| Q &                                       | . 2   |           | (Give    | Certif       | icate No.)                                 |                               |        | 3          |                          |  |   |          |                          |                    | 6   |                                    |                            |  | ·   |
| IV. INSPECTION<br>AGENCY<br>VERIFICATION  | £   | 1         | AIR      | CRAF         | T MANUFACTU                                | RER (Give name o              | firm   | )          |                          |  |   |          |                          |                    |   |                                    |                            |  |   |
| E A E                                     | 5   |           |          |              |  |                               |        |            |                          |  |   |          |                          |                    |   |                                    |                            |  |   |
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|   | er-   | ele di i  | geneli   | nahir r      | lock items A and B)                        |                               |        |            |                          |  |   | -        | 71.05.0                  | CDTIC              | OATE BEOLIEO                                | TEN                                |                            |  |   |
| μ.<br>Σ 22                                |   |           |          |              |  | Section I or VII n            | eet:   | requi      | rements for              |  | -   | 4.       |                          |                    | ICATE REQUES<br>T OR MODIFICA               |                                    | RRENT                      | AIRWORTHIN                               | ESS CERTIFICATE                           |
| V. FAA<br>REPRESENTATIVE<br>CERTIFICATION | <b>B</b> . (  | nspe      | tion     | for a s      | pecial permit un                           | der Section VII w             | 26     |            | FAA IN                   | ISPEC                                    |   |          |                          |                    | FAA DESIGNEE                                |                                    |                            |  |   |
| SEN                                       |   | condu     | cted     | by:          | T  |                               | -      |            |                          |  |   |          | UNDER                    |                    | 14 CFR part 65                              |                                    |                            | 121 OR 135                               | 14 CFR part 145                           |
| FRE                                       | DAT   | Έ         |          |              | DISTRICT OFF                               | 111                           | -1     | ESIG       | NEE'S SIGNATI            | URE,                                     | AND NO  | ٠.       |                          |                    | [** ;:]                                     | NSPECTOR                           | 'S SIGN                    | ATURE                                    |   |
| M C                                       | Jul   | y 10      | , 20     | 09           | Atlanta M                                  | IDO 4                         |        | <u> 1.</u> | lunlar                   |  | DAA   | F        | 50110                    | 7 <u>C</u>         | <u> </u>                                    |                                    |                            |  |   |



|  | A. N     | ANUF  | ACTU    | RER       |            |               |                  |                   |                       |               |                                    | •                    |  |               |                   |          |
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| 7.2<br>2.9   | ļ        |       | TY      | PE CER    | TIFICAT    | E ONLY        |                  |                   |                       |               |                                    |                      |  |               |                   |          |
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|  | F. 0     | ERTI  | FICAT   | ION - I   | hereby co  | ertify that I | am the regist    | tered owner (     | (or his agent) of the | ne aircraft d | escribed above; the                | at the aircraft is a | registered with the<br>as been inspected | Federal Aviat | tion Administrati | on in    |
|  | DAT      |       | • •     | , ture 40 |            |               | ITLE (Print or T |                   | - coppication ( coc)  |               | togamieta, mie u                   | SIGNATUR             |  |               |                   |          |
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| 8  |          |       |         | ing Lim   |            | nd Markin     | as in Complia    | ince with 14 (    | CFR Section 91.9      | .   _         | G. Statement of                    | Conformity, FA       | A Form 8130-9 (Af                        | tach when rec | quired)           |          |
| SS<br>IONEE (  | 1        | В.    | Curren  | t Opera   | ting Limit | ations Atta   | iched            |                   |                       |               | H. Foreign Airw<br>(Attach wher    |                      | cation for Import Ai                     | rcraft        |                   |          |
| VIII. AENW CHTHUNG SS<br>DOCUMENTATION (FAAIDESIGNEE 1000<br>CITY) |          | C.    | Data, i | Orawing   | s, Photog  | raphs, etc    | . (Altach when r | required)         |                       | 7             |                                    |                      | cate issued in Acco                      | ordance with  |                   |          |
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| WIII<br>CIMENUS  |          | E.    | Majori  | Repair a  | ind Altera | ition, FAA    | Form 337 (Att    | tach when requ    | ired)                 |               | J. Current Airwo<br>14 CFR Section |                      | ate Issued in Acco                       | rdance with   | (Copy Attached)   | )        |
| ŏ  | ✓        | F.    | This in | spection  | Records    | ed in Aircra  | aft Records      |                   |                       |               | K. Light-Sport A                   | ircraft Statemen     | t of Comptiance, F                       | AA Form 813   | 0-15 (Altach wh   | en       |

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| 1                  | UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION   |                             |                                 |  |  |  |  |  |  |  |
|                    |   | SPECIAL AIRWORTHINESS C     | CERTIFICATE                     |  |  |  |  |  |  |  |
| A                  | CATEGORY  | DESIGNATION EXPERIMENTA     | L                               |  |  |  |  |  |  |  |
|                    | PURPOSE   | RESEARCH AND DEVELOPM       | ENT                             |  |  |  |  |  |  |  |
| B                  | MANU-   | NAME N/A                    |                                 |  |  |  |  |  |  |  |
|                    | FACTURER  | ADDRESS N/A                 |                                 |  |  |  |  |  |  |  |
| С                  | ÷<br>FLIGHT   | FROM N/A                    |                                 |  |  |  |  |  |  |  |
| Ľ                  | TO N/A  |                             |                                 |  |  |  |  |  |  |  |
| n                  | N=6542B SERIAL NO. 400-001  |                             |                                 |  |  |  |  |  |  |  |
| L                  | BUILDER   | ACKWATER ATRIHTES LLC       | MODEL POLAR 400                 |  |  |  |  |  |  |  |
|                    | DATE OF IS  | SUANCEJULY 10. 2009         | EXPIRY NOV 9, 2009              |  |  |  |  |  |  |  |
| E                  | OPERATING   | LIMITATIONS DATEDJUL 10,200 | GARE A PART OF THIS CERTIFICATE |  |  |  |  |  |  |  |
| =                  | SIGNATURE OF  | FAA REPRESENTATIVE          | DESIGNATION OR OFFICE NO.       |  |  |  |  |  |  |  |
|                    | J. Hankinson DARF501107CE   |                             |                                 |  |  |  |  |  |  |  |
| Any<br>impr<br>ACC | Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS. |                             |                                 |  |  |  |  |  |  |  |
| FAA FO             | PRM 8130-7 (10/82)  |                             | SEE REVERSE SIDE                |  |  |  |  |  |  |  |

| Α | This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).   |  |  |
|---|--|--|--|
| В | This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.   |  |  |
| С | This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.   |  |  |
| D | This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country. |  |  |
| Ε | Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.   |  |  |

☆U. S. GPO: 1988-562-538

|   | UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION |                              |                                |  |  |  |
|---|---|------------------------------|--------------------------------|--|--|--|
| SPECIAL AIRWORTHINESS CERTIFICATE   |   |                              |                                |  |  |  |
| Α   | CATEGORY/DESIGNATION EXPERIMENTAL.  |                              |                                |  |  |  |
|   | PURPOSE RESEARCH AND DEVELOPMENT  |                              |                                |  |  |  |
| В   | MANU-   | NAME N/A                     |                                |  |  |  |
| ت   | FACTURER  | ADDRESS N/A                  |                                |  |  |  |
| C.  | FLIGHT  | FROM N/A                     |                                |  |  |  |
|   |   | TO NICACV                    |                                |  |  |  |
| Ъ   | N- 6542   |                              | SERIAL NO. 400-003             |  |  |  |
| Ľ.  |   | ACKWATER ATRSHIPS LLC        | MODEL POLAR AGO                |  |  |  |
|   | DATE OF IS  |                              | EXPIRY SEPT 4 2009             |  |  |  |
| E   | OPERATING   | LIMITATIONS DATEDS PT 5 2008 | ARE A PART OF THIS CERTIFICATE |  |  |  |
| -   | SIGNATURE OF  | AA REPRESENTATIVE            | DESIGNATION OR OFFICE NO.      |  |  |  |
|   | J. 1  | HANKINSON J. Hankon          | DARF501107CE                   |  |  |  |
| Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS. |   |                              |                                |  |  |  |
| FAA FORM 8130-7 (10/82)  SEE REVERSE SIDE   |   |                              |                                |  |  |  |

| Α | This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).  |  |  |
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| В | This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.   |  |  |
| С | This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.  |  |  |
| D | This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate, the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country. |  |  |
| Ε | Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.  |  |  |

☆U. S. GPO: 1988-562-538



#### SPECIAL EXPERIMENTAL RESEARCH and DEVELOPMENT OPERATING LIMITATIONS

MAKE: Blackwater Airships, LLC MODEL: Polar 400

SERIAL NUMBER: 400-001 REG. NUMBER: N6542B

**Date Issued:** July 10, 2009 Expiration Date: November 9, 2009

- 1) No person may operate this aircraft unless Form 8130-7 is displayed at the cockpit entrance and visible to flight crew members
- 2) No person may operate this aircraft for other than the purpose of Research and Development, to accomplish the flight operation outlined in the program letter dated June 29, 2009, which describes compliance with §21.193(d), and has been made available to the pilot in command of the aircraft. In addition, this aircraft must be operated in accordance with applicable air traffic and general operating rules of part 91, and all additional limitations herein prescribed under provisions of §91.319(e).
- 3) All flights of this aircraft may only be conducted over open water or sparsely populated areas having light air traffic, within the geographical areas described as follows: Within 150 NM radius of the former Weeksville, NC Naval Air Station (EKV) (N 36°13'59.19", W 76°08'0.01") and 15 NM radius of Lakehurst NJ Naval Air Engineering Station (former Naval Air Station (NEL) (N 40° 01' 57", W 74° 20' 29"). The aircraft shall be able to transit between these two geographical areas utilizing the most direct route, but shall have the necessary operational flexibility to circumnavigate weather, populated areas, hazards, etc.
- 4) This aircraft must not be operated unless it is inspected and maintained in accordance with the manufacturers recommendations. The owner/operator must select, establish, identify, and use an inspection program. This inspection program must be recorded in the aircraft maintenance records.
- 5) The pilot in command of this aircraft must hold an appropriate category/class rating. If required for the type of aircraft to be flown, the pilot in command also must hold either an appropriate type rating or a letter of authorization issued by an FAA Flight Standards Operations Inspector.
- 6) This aircraft is to be operated under VFR, day and/or night.
- 7) No person may operate this aircraft for carrying persons or property for compensation or hire.
- 8) No person may be carried in this aircraft during flight unless that person is essential to the purpose of the flight.
- 9) The pilot in command of this aircraft must advise each passenger of the experimental nature of this aircraft, and explain that it does not meet the certification requirements of a standard certificated aircraft.
- 10) This aircraft must contain the placards, markings, etc. required by §91.9(c).

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- 11) This aircraft is prohibited from aerobatic flight, that is, an intentional maneuver involving an abrupt change in the aircrafts attitude, an abnormal attitude, or abnormal acceleration not necessary for normal flight.
- 12) No person may operate this aircraft unless within the preceding 12 calendar months it has had a condition inspection performed in accordance with appendix D of part 43, or other FAA approved program, and was found to be in a condition for safe operation. This inspection will be recorded in the aircraft maintenance records.
- 13) Only FAA certificated mechanics with appropriate ratings as authorized by §43.3 may perform inspections required by these operating limitations.
- 14) Inspections must be recorded in the aircraft maintenance records showing the following, or a similar worded statement: "I certify that this aircraft has been inspected on [insert date] in accordance with the scope and detail of appendix D to part 43, or other FAA approved program, and was found to be in a condition of safe operation." The entry will include the aircraft's total time-in-service, and the name, signature, certificate held by the person performing the inspection.
- 15) This aircraft must display the word "EXPERIMENTAL" in accordance with §45.23(b).
- 16) The pilot in command of this aircraft must notify air traffic control of the experimental nature of this aircraft when operating into or out of airports with operating control towers. The pilot in command must plan routing that will avoid densely populated areas and congested airways when operating VFR.
- 17) Aircraft instruments and equipment installed and used under §91.205 must be inspected and maintained in accordance with the requirements of parts 43 and 91. Any maintenance or inspection of this equipment must be recorded in the aircraft maintenance records.
- 18) Application must be made to the Atlanta MIDO for any revision to these operating limitations.
- 19) Section §47.45 requires that the FAA Aircraft Registry must be notified within 30 days of any change in the aircraft registrant's address. Such notification is to be made by submitting Form 8050-1 to AFS-750 in Oklahoma City, Oklahoma.

July 10, 2009

FAA Representative

John Hankinson

DARF501107CE

Designation

These operating Limitations have been explained, are understood and accepted

July 10, 2009

Date

Date

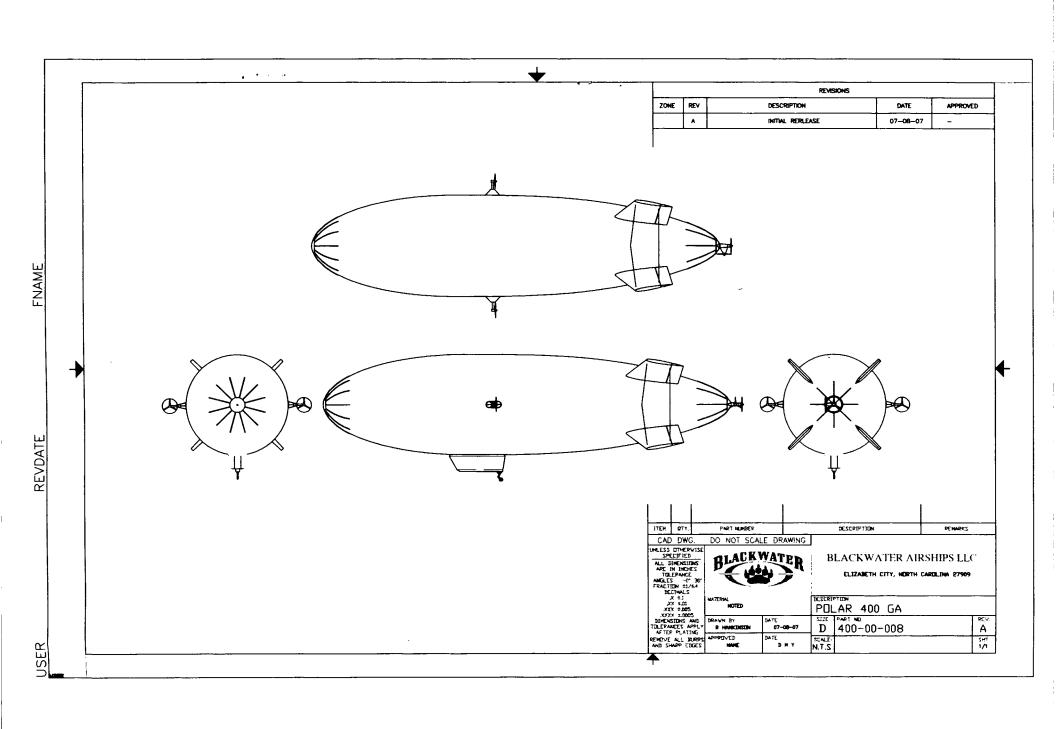
Pilot in Command

July 10, 2009

Date

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### FAA FORM 8130-6, APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE Form Approved O.M.B. No. 2120-0018 09/30/2007

| of Trans                                  | Aviation       | STRA          | TION   | U.S. (                                   | PLICATION AIRWOR'CERTIFIC | TH<br>A  | INI<br>TE             | ESS                    | only. :<br>require | Subi<br>d, u<br>appl | mit origin<br>use attac<br>licable. | al o    | nly to<br>ent.                        | an a<br>For s   | uthorize                | d FAA Repi                               | reser<br>s co                          | ntativ    | these are for FAA use e. If additional space is ete Sections II, VI and |
|---|----------------|---------------|--------|--|---------------------------|--|-----------------------|------------------------|--------------------|----------------------|-------------------------------------|---------|---------------------------------------|-----------------|-------------------------|--|--|-----------|---|
| ⊾×  | N6542          |               | HOP    |  | Blackwater A              |  |                       |                        | Polar 4            |                      | MODELD                              | ESIC    | SNATE                                 | ON              |                         | 2007                                     | 193                                    | 'a 1.3    | DING  |
| I. AIRCRAFT<br>DESIGNATION                | 5. AIRC        |               | SER    |  | 6. ENGINE BUIL            |  |                       |                        | 7. ENGIN           |                      | ODEL DES                            | IGN     | ATION                                 | <del>-</del>    |                         | 2007                                     |  |           |   |
| AIRC<br>SIGN                              | 400-0          | 01            |        |  | Thielert Air              | cra  | ft Er                 | ngines                 | Centur             | ion                  | 4.0                                 |         |                                       |                 |                         |  |  |           |   |
| - 8                                       | 8. NUM         | BER C         | )F EN  | NGINES                                   | 9. PROPELLER              | BUI  | .DER                  | 'S NAME (Make)         | 10. PROF           | ELL                  | ER MODE                             | L DE    | SIGN                                  | ATION           |                         | 11.                                      | AIR                                    | CRAF      | T IS (Check if applicable)  |
|   | 1 (On          | <del></del>   |        |  | MT-Propell                |  |                       | h                      | MTV-6              | -A-                  | CR(H)/                              | CR      | RDI                                   | <u>75-05</u>    | 5                       |  | IM                                     | PORT      | <u> </u>  |
|   | APPLICA<br>A 1 | TION          |        |  | OR: (Check applic         |  |                       | (Indicate Category)    | ) NO               | RMAL                 | UTIL                                | ITY     | П                                     | ACROBA*         | ric                     | TRANSPORT                                |  | OMMUTI    | ER BALLOON OTHER  |
|   | -B             | 1             |        |  | THINESS CERTIF            |  |                       |                        |                    |                      |                                     | _       |                                       |                 |                         | TRANSI GIVE                              |  |           | BALLOON THE   |
|   | King and S.    | 7             |        | PRIMARY                                  | -                         |  |                       |                        |                    |                      |                                     |         |                                       |                 |                         |  |  |           |   |
|   |                | 9             |        | LIGHT-SPORT                              | (Indicate Class)          |  |                       | AIRPLANE               | POWER-P            | ARAC                 | HUTE                                |         | WEIGH                                 | IT-SHIFT        | -CONTRO                 | L GLID                                   | ER                                     | L         | LIGHTER THAN AIR  |
|   |                | . 2           |        | LIMITED                                  |                           | 1 22   | · · · ·               |                        |                    |                      |                                     |         |                                       | _               |                         |  |  |           |   |
|   |                | 5             |        | PROVISIONAL                              | (Indicate Class)          | 1<br>2   | $\left  - \right $    | CLASS I                |                    |                      |                                     |         |                                       | _               |                         |  |  |           |   |
| 9   | ,              | 2.5           |        |  |                           | 1  | -1                    | CLASS II<br>AGRICULTUR | E AND PES          | T CO                 | ONTROL                              | Т       | 2                                     | AFF             | RIAL SUR                | VEY                                      | 3                                      | П.        | AERIAL ADVERTISING  |
| CERTIFICATION REQUESTED                   |                | 3             |        |  | indicate operation(s)     | 4  | $\vdash$              | FOREST (Wildli         |                    |                      |                                     | +       | 5                                     | -               | ROLLING                 |  | 6                                      | -         | WEATHER CONTROL   |
| REQ                                       |                |               |        | to be conducted)                         |                           | 0  |                       | OTHER (Specify         |                    |                      |                                     |         | tl                                    |                 |                         |  | اـــــــــــــــــــــــــــــــــــــ |           |   |
| NO.                                       |                | 33.           |        |  |                           | 1  | 1                     | RESEARCH A             | ND DEVEL           | OPM                  | ENT                                 |         | 2                                     | AMA             | ATEUR B                 | UILT                                     | 3                                      |           | EXHIBITION  |
| CAT                                       |                |               |        |  |                           | 4  |                       | AIR RACING             |                    |                      |                                     |         | 5                                     | CR              | W TRAII                 | VING                                     | 6                                      |           | MARKET SURVEY   |
| FE  |                | 4             | 1      | EXPERIMENTA                              | L (Indicate               | o  |                       | TO SHOW CO             | MPLIANCE           | WIT                  | H THE CF                            | R .     | 7                                     | OPE             | ERATING                 | (Primery Catego                          | ry) KI                                 | T BUI     | LT AIRCRAFT   |
|   |                |               | •      | operation(s) to be o                     | conducted)                |  |                       | OPERATING              | - 8A               | -                    | +                                   |         |                                       |                 |                         | certificate & do r                       | ot me                                  | et § 10   | 3.1   |
| ≓   |                |               |        |  |                           | 8  |                       | LIGHT-SPORT            | 8B<br>8C           | +                    | Operation                           |         |                                       | _               |                         | anial links annus                        |  | n oine    | andhinasa andifianta under 6 21 100                                     |
|   |                | )<br>         |        |  |                           | 9C Operating light-sport previously issued special light-sport category alreadthin 1. FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE, OR STORAGE |                       |                        |                    |                      |                                     |         | orthiness certificate under § 21. 190 |                 |                         |  |  |           |   |
|   |                |               |        | 0050141 51101                            | IT DEDLUT                 | 2  |                       | EVACUATION             |                    | _                    |                                     |         |                                       |                 | TANCE,                  | OK GTORAGE                               | _                                      |           |   |
|   |                | 8             |        |  | (s) to be conducted,      | 3  | $\Box$                | OPERATION II           |                    |                      |                                     |         |                                       |                 | TAKE-OF                 | F WEIGHT                                 |  |           |   |
|   |                |               |        | then complete Sec<br>applicable on rever |                           | 4  |                       | DELIVERING (           | OR EXPOR           | TING                 | ì                                   |         | 5                                     | PRO             | DDUCTIO                 | N FLIGHT TE                              | STIN                                   | G         |   |
|   |                | 94.5<br>882.5 |        |  |                           | 6  |                       | CUSTOMER D             | EMONSTR            | ATIC                 | N FLIGHT                            | s       |                                       |                 |                         |  |  |           |   |
|   | C 6            |               | MU     | LTIPLE AIRWOR                            | RTHINESS CERT             | FIC  | ATE (                 | check ABOVE "Res       | tricted Operat     | ion" a               | nd "Standard                        | t" or " | Limited                               | * as appl       | icable)                 |  | _                                      |           |   |
|   |                | STEF          | RED    | OWNER (As show                           | n on certificate of airc  | raft re  | gistra                | tion)                  |                    | ***                  | 20000                               |         |                                       | CK HER          |                         |  |  | <b>→</b>  |   |
|   | NAME           | Blac          | kw     | ater Airships                            | , LLC                     |  |                       |                        |                    | AUI                  | DRESS                               | PO B    | ox 102                                | 9, Moyo         | ock NC 27               | 958-1029                                 |  |           |   |
| ,   | B. AIRC        | RAFT          | CE     | RTIFICATION BA                           | SIS (Check applical       | ole blo  | ocks ar               | nd complete items a    | s indicated)       |                      |                                     |         |                                       |                 |                         |  |  |           |   |
| CERTIFICATION                             |                | CRAI          | 10.1   |  | OR TYPE CERTIF            | ICA  | TE D                  | ATA SHEET (Give        | e No. and          |                      | AIRWOR                              | THI!    | NESS<br>st AD S                       | DIREC<br>UPPLEA | TIVES (C.<br>MENT avail | heck if all applica<br>able in the biwee | bie AD<br>kly seri                     | )'s are o | compiled with and give the of the date of application)                  |
| IFIC/                                     | AIF            | CRAF          |        | N/A<br>STING (Give page                  | number(si)                |  |                       |                        |                    |                      | SUPPLE                              | MEN     | ITAL 1                                | YPE C           | ERTIFIC                 | ATE (List numbe                          | r of ea                                | ch ST     | N/A C incorporated)   |
| ERT                                       |                |               |        | N/A                                      | 177                       |  |                       |                        |                    |                      | Į.                                  | N/A     |                                       |                 |                         | ·  |  |           |   |
| 4.s                                       | C. AIRC        | RAFT          | OPI    | ERATION AND M                            | MAINTENANCE R             | ECC  | RDS                   |                        |                    |                      |                                     |         |                                       |                 |                         |  |  |           |   |
| OWNER                                     |                |               |        | ECORDS IN<br>CE WITH 14 CFR              | TOTAL AIR                 | FRA  | MEH                   | HOURS                  |                    |                      | -                                   |         |                                       | EXPER           |                         | L ONLY (Enter                            | hours                                  | flown s   | since last certificate issued or  |
|   | Se             | ction         | 91.4   | 17                                       | 55                        |  |                       |                        |                    |                      |                                     |         |                                       |                 | 55.5                    |  |  |           |   |
| Ħ   | accorda        | nce wi        | ith Ti | itle 49 of the Unit                      |                           |  |                       |                        |                    |                      |                                     |         |                                       |                 |                         |  |  |           | eral Aviation Administration in is airworthy and eligible for the       |
| i   | DATE O         |               |        | icate requested.<br>ATION                | NAME AND                  | ) TIT  | LE (F                 | rint or type)          |                    |                      |                                     |         | Т                                     | SIGNA           | TURE                    |  |  |           |   |
|   | Augu           | st 28         | 3, 20  | 008                                      | I                         |  |                       | e President            | )                  |                      |                                     |         | - 1                                   | _               | 2                       | le~                                      |  |           | <b>~</b>  |
|   | A. THE         | AIRC          | RAF    | T DESCRIBED A                            | BOVE HAS BEEN             | INS  | PEC                   | TED AND FOUN           | ID AIRWOR          | THY                  | BY: (Com                            | piete   | he sec                                | tion only       | if 14 CFR p             | ert 21.183(d) ap                         | olies.                                 |           |   |
| Z Z                                       | 2              |               |        | part 121 CERTIFI                         | CATE HOLDER               |  | 3                     | CERTIFICAT             | ED MECH            | ANIC                 | (Give Certif                        | cate    | No.)                                  | в               | CERT                    | IFICATED RE                              | PAIR                                   | STAT      | TION (Give Certificate No.)   |
| ECT<br>VCY                                | Media<br>Tanàn | <u> </u>      |        | ·  | JRER (Give name o         |  |                       |                        |                    |                      |                                     |         |                                       |                 |                         |  |  |           |   |
| IV. INSPECTION<br>AGENCY<br>VERIFICATION  | 5              | AIR           | CRA    | FIMANUFACIO                              | JKER (Give name o         | r tirm)  |                       |                        |                    |                      |                                     |         |                                       |                 |                         |  |  |           |   |
| IV. I                                     | DATE           |               |        |  | TITLE                     |  |                       |                        |                    |                      |                                     |         | -                                     | SIGNA           | TURE                    |  |  |           |   |
|   |                |               |        |  |                           |  |                       |                        |                    |                      |                                     |         |                                       |                 |                         |  |  |           |   |
| щ   |                |               |        | block items A and B)                     | Section I or VII m        | 1001   | 100                   | iremente for           |                    |                      | -                                   |         |                                       |                 | REQUES                  |  |  |           |   |
| YE A                                      |                |               |        |  | der Section VII w         |  | requ                  | _,                     | SPECTOR            | 4                    | AM                                  | END     |                                       |                 | ODIFICA<br>SIGNEE       | HON OF CUR                               | REN                                    | ı AIR     | WORTHINESS CERTIFICATE  |
| FA  | condi          |               |        |  |                           |  |                       | -                      | CATE HO            | LDE                  | R UNDER                             |         |                                       |                 | part 65                 | 14 CF                                    | <br>₹ part                             | 121 (     | OR 135 14 CFR part 145  |
| V. FAA<br>REPRESENTATIVE<br>CERTIFICATION | DATE           | -             |        | DISTRICT OFF                             | ICE                       | D  | ESIG                  | NEE'S SICNATI          |                    |                      |                                     |         |                                       |                 | FAA II                  | SPECTOR'S                                |  |           |   |
| F 2                                       | 9/51           | 200           | 8      | Atlanta M                                | iDO                       |  | 11                    | 1 //                   | ΔΔ.                | n r                  | Sal                                 | ~~      | 11.                                   | ا اید           |                         |  |  |           |   |
|   |                |               |        |  | Edition Date              | 15/  | <i>آبا</i> د<br>100 م | May be Used            |                    |                      |                                     |         |                                       |                 | Sport A                 | ircraft                                  |  | 1         | NSN: 0052-00-024-7006   |

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|  | A. N   | IANUF                                     | ACTURER                         |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
|--|--|---|---------------------------------|---------------|---------------------------------------|-------------|---------------------|---------|---|----------------------|----------------|--------------------------------|--------------------|---|
|  | NAM  | ΛE  |                                 | <u> </u>      | · · · · · · · · · · · · · · · · · · · |             |                     | ADDRES  | SS  |                      |                |                                |                    |   |
| VI. PRODUCTION<br>FLIGHT TESTING                                 | B. 1   | PRODU                                     | ICTION BASI                     | S (Check appl | icable item)                          |             |                     |         |   |                      |                |                                |                    |   |
| DOUC   |  | 1   | BBOBLOT                         | ON OFOTH      | 10 A T P                              |             |                     |         |   |                      |                |                                |                    |   |
| 뚔뙲   |  | -   |                                 | TIFICATE C    | FICATE (Give production               | n certifica | ate number)         |         |   | <del></del>          |                |                                |                    |   |
| 호교   | APPROVED PRODUCTION INSPECTION SYSTEM  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
|  | C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
|  | DAT  | E OF /                                    | APPLICATION                     | 1             | NAME AN                               | D TITLE     | (Print or Type)     |         | ·   |                      | SIGNATUR       | RE                             |                    |   |
|  |  |   | IPTION OF A                     | IRCRAFT       |                                       |             |                     |         |   |                      | ·              |                                |                    |   |
|  | REC  | SISTER                                    | RED OWNER                       |               |                                       |             |                     | ADDRES  | SS  |                      |                |                                |                    |   |
|  | Bui  | DER (                                     | Make)                           |               |                                       |             |                     | MODEL   |   |                      |                |                                |                    |   |
|  | SEF  | IAL N                                     | JMBER                           |               |                                       |             |                     | REGIST  | RATI  | ON MARK              |                |                                |                    |   |
|  | B. I   | DESCR                                     | IPTION OF F                     | LIGHT         | ····                                  |             | CUSTOMER DE         | MONSTRA | OITA  | N FLIGHTS            | (Check if appl | licable)                       |                    |   |
| _  | FRO  | M   |                                 |               |                                       |             |                     | ТО      |   |                      |                |                                |                    |   |
| SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST | VIA  |   |                                 |               |                                       |             | -                   | DEPART  | TURE  | DATE                 |                | DURATION                       |                    |   |
| Ę  | C. (   | CREW                                      | REQUIRED T                      | O OPERAT      | E THE AIRCRAFT A                      | ND ITS      | EQUIPMENT           |         |   |                      |                |                                |                    |   |
| NO<br>F  |  |   | PILOT                           |               | CO-PILOT                              |             | FLIGHT ENGINEER     |         |   | OTHER (Specify)      |                |                                |                    |   |
| Ę  | D.   | HE AII                                    | RCRAFT DOE                      | S NOT ME      | ET THE APPLICABL                      | ≿ AIRW      | ORTHINESS REQUI     | REMENIS | AS F  | OLLOWS:              |                |                                |                    |   |
| <u>ğ</u>   |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| ž  |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| H <sub>A</sub>   |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| Ä  |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| FO 5   |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| OSE  |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| VLRP.  |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| J LIWR   |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| IT PEF   | E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION: (Use attachment if necessary) |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| 5  |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| JAL F  |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| %<br>EC  |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
| Ę.   |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
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|  |  |   |                                 |               |                                       |             |                     |         |   |                      |                |                                |                    |   |
|  |  |   |                                 |               |                                       |             |                     |         |   |                      |                | istered with the Federal Aviat |                    |   |
|  | DAT  |   |                                 |               | AND TITLE (Print or T)                |             |                     |         |   |                      | IGNATURE       |                                |                    |   |
|  |  |   |                                 |               |                                       |             |                     |         |   |                      |                | 4.1.41894                      |                    |   |
| es nse   |  |   | perating Limi<br>is applicable. | tations and f | Markings in Compliar                  | ce with     | 14 CFR Section 91.9 |         | <b>├</b>  |                      |                | Form 8130-9 (Attach when req   | uired)             |   |
| NESS   | ✓  | B. Current Operating Limitations Attached |                                 |               |                                       |             |                     |         | Foreign Airworthiness Certification for Import Aircraft     (Attach when required)                              |                      |                |                                |                    |   |
| VIII. AIRWORTHINESS<br>DOCUMENTATION (FAADESIGNEE<br>ONLY)       |  |   |                                 |               | hs, etc. (Attach when re              |             |                     |         | Previous Airworthiness Certificate Issued in Accordance with  14 CFR Section 21.191 (a) CAR (Original Attached) |                      |                |                                |                    |   |
| III. AIRV<br>ITATION   | ✓  |   |                                 |               | e information Availat                 |             |                     | _       | <u> </u>  |                      |                |                                | (Original Attached |   |
| CUMEN  | E. Major Repair and Alteration, FAA Form 337 (Attach when required)                                      |   |                                 |               | <b>-</b>  ✓                           | 14          | CFR Section 21.1    | 91 (a)  | Issued in Accordance with   | (Copy Attached)      |                |                                |                    |   |
| 8  | ✓  | F. T                                      | his inspection                  | Recorded in   | Aircraft Records                      |             |                     |         | K.  | Light-Sport Aircraft | Statement of   | f Compliance, FAA Form 8130    | )-15 (Attach wher  | 7 |

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| ł      | UNITED STATES OF AMERICA DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  |                                |  |  |  |  |  |  |
|        | SPECIAL AIRWORTHINESS  | CERTIFICATE                    |  |  |  |  |  |  |
| A      | CATEGORY/DESIGNATION EXPERIMENTA   | AT.                            |  |  |  |  |  |  |
| Ľ.     | PURPOSE RESEARCH AND DEVELO  | PMENT                          |  |  |  |  |  |  |
| В      | MANU- NAME N/A   |                                |  |  |  |  |  |  |
| Ľ      | FACTURER ADDRESS N/A   |                                |  |  |  |  |  |  |
| C      | FLIGHT FROM N/A  |                                |  |  |  |  |  |  |
| Ľ      | TO N/A   |                                |  |  |  |  |  |  |
| В      | N- 6542B   | SERIAL NO. 400-001             |  |  |  |  |  |  |
| L      | BUILDER BLACKWATER ATRSHIPSLLC   | MODEL POLAR 400                |  |  |  |  |  |  |
|        | DATE OF ISSUANCE SEPT 5. 2008.   | EXPIRY SEPT 4,2009             |  |  |  |  |  |  |
| E      | OPERATING LIMITATIONS DATED TO TO 1  | ARE A PART OF THIS CERTIFICATE |  |  |  |  |  |  |
| -      | SIGNATURE OF FAA REPRESENTATIVE  | DESIGNATION OR OFFICE NO.      |  |  |  |  |  |  |
|        | J. HANKINSON Handon  | DARF501107CE                   |  |  |  |  |  |  |
| Any    | Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both, THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN |                                |  |  |  |  |  |  |
|        | ORDANCE WITH APPLICABLE FEDERAL AVIATION REGULA  |                                |  |  |  |  |  |  |
| FAN FU | PRM 8130-7 (10/82)   | SEE REVERSE SIDE               |  |  |  |  |  |  |

SEE REVERSE SIDE

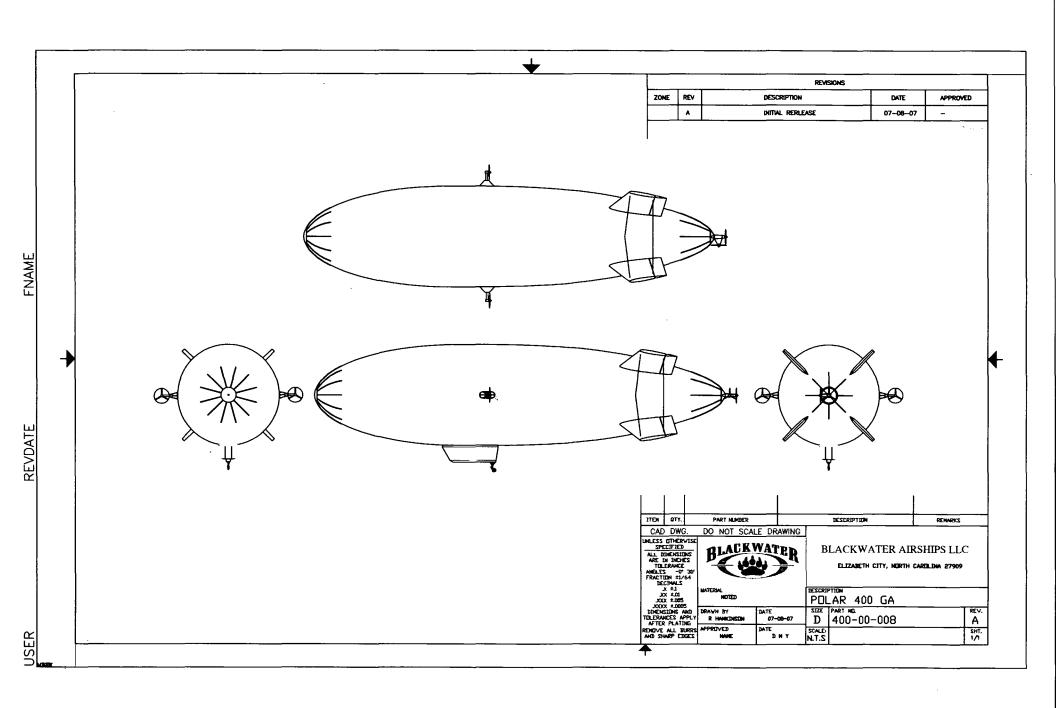
| Α | This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).   |
|---|--|
| В | This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.  |
| С | This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.   |
| D | This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country. |
| Ε | Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.   |

☆U. S. GPO: 1988-562-538

|                           |   | UNIT               | ED STATES OF AMER | ICA                            |  |  |  |  |  |
|---------------------------|---|--------------------|-------------------|--------------------------------|--|--|--|--|--|
|                           | DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION SPECIAL AIRWORTHINESS CERTIFICATE  |                    |                   |                                |  |  |  |  |  |
| $ldsymbol{ldsymbol{eta}}$ |   | SPECIAL AINW       | OH I HINESS       | JEHITFICATE                    |  |  |  |  |  |
| lΑ                        | CATEGORY  | /DESIGNATION E     | XPERIMENT         | 'AĽ                            |  |  |  |  |  |
| Ľ                         | PURPOSE   | RESEARCH AND       | DEVELOR           | MENT                           |  |  |  |  |  |
| B                         | MANU-   | NAME N/A           | 7                 |                                |  |  |  |  |  |
|                           | FACTURER  | ADBRESS N/A        |                   |                                |  |  |  |  |  |
| C                         |   | FROM NA            | 1                 |                                |  |  |  |  |  |
|                           | FLIGHT  | TO NVA             |                   |                                |  |  |  |  |  |
| Б                         | N-65421   | B ( )//            |                   | SERIAL NO. 400-001             |  |  |  |  |  |
| L                         | BUILDER B   | LACKWATER AIRS     | HIPS LLC          | MODEL POLAR 400                |  |  |  |  |  |
|                           |   |                    | 007               | EXPIRY NOV 6 2008              |  |  |  |  |  |
| E                         | OPERATING   | MITATIONS DATED N  | QV 7 2007         | ARE A PART OF THIS CERTIFICATE |  |  |  |  |  |
| -                         | SIGNATURE OF  | FAA REPRESENTATIVE | T                 | DESIGNATION OR OFFICE NO.      |  |  |  |  |  |
|                           | J DHAN!   |                    | from.             | DARF501107CE                   |  |  |  |  |  |
| Any<br>impr<br>ACC        | Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS. |                    |                   |                                |  |  |  |  |  |
| FAA FC                    | RM 8130-7 (10/82)   | ·                  |                   | SEE REVERSE SIDE               |  |  |  |  |  |

| А | This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).   |
|---|--|
| В | This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire: and/or (2) Carrying persons not essential to the purpose of the flight.  |
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| Е | Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21.181 or 21.217.   |

☆U. S. GPO: 1988-562-538



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# SPECIAL EXPERIMENTAL RESEARCH and DEVELOPMENT OPERATING LIMITATIONS

MAKE: Blackwater Airships, LLC MODEL: Polar 400

SERIAL NUMBER: 400-001 REG. NUMBER: N6542B

Date Issued: September 5, 2008 Expiration Date: September 4, 2009

- 1) No person may operate this aircraft unless Form 8130-7 is displayed at the cockpit entrance and visible to flight crew members.
- 2) No person may operate this aircraft for other than the purpose of Research and Development, to accomplish the flight operation outlined in the program letter dated August 28, 2008, which describes compliance with §21.193(d), and has been made available to the pilot in command of the aircraft. In addition, this aircraft must be operated in accordance with applicable air traffic and general operating rules of part 91, and all additional limitations herein prescribed under provisions of §91.319(e).
- 3) All flights of this aircraft must be conducted over open water or sparsely populated areas having light air traffic, within the geographic area described as follows: Within 150 nautical mile radius of the former Weeksville, NC Naval Air Station (EKV) 36°13'59.19"N, 76°08'0.01"W.
- 4) This aircraft must not be operated unless it is inspected and maintained in accordance with the manufacturers recommendations. The owner/operator must select, establish, identify, and use an inspection program as set forth in §91.409(e), (f), (g) and (h). This inspection program must be recorded in the aircraft maintenance records.
- 5) The pilot in command of this aircraft must hold an appropriate category/class rating. If required for the type of aircraft to be flown, the pilot in command also must hold either an appropriate type rating or a letter of authorization issued by an FAA Flight Standards Operations Inspector.
- 6) This aircraft is to be operated under VFR, day and/or night.
- 7) No person may operate this aircraft for carrying persons or property for compensation or hire.
- 8) No person may be carried in this aircraft during flight unless that person is essential to the purpose of the flight.
- 9) The pilot in command of this aircraft must advise each passenger of the experimental nature of this aircraft, and explain that it does not meet the certification requirements of a standard certificated aircraft.
- 10) This aircraft must contain the placards, markings, etc. required by §91.9(c).
- 11) This aircraft is prohibited from aerobatic flight, that is, an intentional maneuver involving an abrupt change in the aircrafts attitude, an abnormal attitude, or abnormal acceleration not necessary for normal flight.

- 12) No person may operate this aircraft unless within the preceding 12 calendar months it has had a condition inspection performed in accordance with appendix D of part 43, or other FAA approved program, and was found to be in a condition for safe operation. This inspection will be recorded in the aircraft maintenance records.
- 13) Only FAA certificated mechanics with appropriate ratings as authorized by §43.3 may perform inspections required by these operating limitations.
- 14) Inspections must be recorded in the aircraft maintenance records showing the following, or a similar worded statement: "I certify that this aircraft has been inspected on [insert date] in accordance with the scope and detail of appendix D to part 43, or other FAA approved program, and was found to be in a condition of safe operation." The entry will include the aircraft's total time-in-service, and the name, signature, certificate held by the person performing the inspection.
- 15) This aircraft must display the word "EXPERIMENTAL" in accordance with §45.23(b).
- 16) The pilot in command of this aircraft must notify air traffic control of the experimental nature of this aircraft when operating into or out of airports with operating control towers. The pilot in command must plan routing that will avoid densely populated areas and congested airways when operating VFR.
- 17) Aircraft instruments and equipment installed and used under §91.205 must be inspected and maintained in accordance with the requirements of parts 43 and 91. Any maintenance or inspection of this equipment must be recorded in the aircraft maintenance records.
- 18) Application must be made to the Atlanta MIDO for any revision to these operating limitations.

19) Section §47.45 requires that the FAA Aircraft Registry must be notified within 30 days of any change in the aircraft registrant's address. Such notification is to be made by submitting Form 8050-1 to AFS-750 in Oklahoma City, Oklahoma.

September 5, 2008

Date

John Hankinson

DARF501107CE Designation

A Representative Des

These operating Limitations have been explained, are understood and accepted

September 5, 2008

Date

Filat in Command

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#### FAA FORM 8130-6, APPLICATION FOR U.S. AIRWORTHINESS CERTIFICATE Form Approved O.M.B. No. 2120-0018 09/30/2007

|   |                      |                  |         |   |                             |              |             |  |               |   |                       |          |            |   |             |           |             |                      | 09/30/2007                                       |
|---|----------------------|------------------|---------|---|-----------------------------|--------------|-------------|--|---------------|---|-----------------------|----------|------------|---|-------------|-----------|-------------|----------------------|--|
| U.S. Dep<br>of Transp<br>Federal Adminis  | ortation<br>Aviation |                  |         | U.S. /                                    | PLICATION AIRWOR'S CERTIFIC | THII         | NES         | S  | only.         | Subn<br>d, u:                                 | nit origin<br>se atta | nal o    | nly to     | an authorized                                 | FAA         | Repres    | senta       | tive. If addit       | e for FAA use<br>ional space is<br>ns II, VI and |
|   | 1. REGI              | STRA             | TION    | MARK                                      | 2. AIRCRAFT B               | JILDEI       | R'S NAM     | ME (Make)                                | 3. AIRCR      | AFT I   | MODEL D               | ESIG     | SNATIO     | N   | 4. YR.      | MFR.      | FAA         | CODING               | <b>4</b> 11                                      |
| I. AIRCRAFT<br>DESIGNATION                | N654                 | 12B              |         |   | Blackwater                  | Airs         | hips, I     | LC                                       | Polar         | 400   |                       |          |            |   | 2007        | '         |             | 900                  | 016  |
| A TA                                      | 5. AIRC              | RAFT             | SER     | IAL NO.                                   | 6. ENGINE BUIL              | DER'S        | NAME        | (Make)                                   | 7. ENGIN      | E MC  | DEL DES               | SIGN     | ATION      |   |             | ĺ         | a<br>h - di | -6-                  | 11   |
| SIG                                       | 400-                 | 001              |         |   | Thielert                    | •            |             |  | Centi         | ıriar   | 4.0                   |          |            |   |             |           |             | > 730                | $\mathcal{F}$                                    |
| - 6                                       | 8. NUM               | BER C            | FEN     | IGINES                                    | 9. PROPELLER                | BUILD        | ER'S N      | ME (Make)                                | 10. PROF      | ELLE  | R MODE                | L DE     | SIGNA      | TION  |             | 11. /     | AIRCE       | RAFT IS (Check i     | f epplicable)                                    |
|   | 1 (o                 | ne)              |         |   | MT-Prope                    | ler          |             |  | MTV           | -6-7  | 4-CR(I                | H)/C     | RRD        | 175-05  |             |           | IMPO        | ORT                  |  |
|   | APPLICA              | NOITA            | I IS H  | EREBY MADE F                              | OR: (Check applic           | able item    | 15)         |  |               |   |                       |          |            |   |             |           |             |                      |  |
|   | A 1                  |                  | STA     | NDARD AIRWO                               | RTHINESS CER                | TIFICA       | TE (Indic   | ete Category)                            | NO            | RMAL  | uni                   | JTY      | ^          | CROBATIC                                      | TRANSPO     | RT        | СОМЯ        | MUTER BALL           | OON OTHER  |
|   | B`                   | ✓                | SPE     | CIAL AIRWORT                              | HINESS CERTIF               | ICATE        | (Check a    | ppropriate itea                          | ms)           |   |                       |          |            |   |             |           |             |                      | Wh   |
|   |                      | 7                |         | PRIMARY                                   |                             |              |             |  |               |   |                       |          |            |   |             |           |             |                      |  |
|   |                      | 9                |         | LIGHT-SPORT                               | (Indicate Class)            |              | AIRP        | LANE                                     | POWER-P       | ARACI   | HUTE                  |          | WEIGHT     | -SHIFT-CONTROL                                |             | GLIDER    | <u> </u>    | LIGHTER THA          | N AIR  |
|   |                      | 2                |         | LIMITED                                   |                             |              |             |  |               |   |                       |          |            |   |             |           |             |                      |  |
|   |                      | 5                |         | PROVISIONAL                               | (Indicate Class)            | 18           | CL          | ASSI                                     |               |   |                       |          |            |   |             |           |             |                      |  |
| ല   |                      |                  |         | 110010101111                              | ( <i>Makata Glassy</i>      | 2            | CL          | ASS II                                   |               |   |                       |          |            |   |             |           |             |                      |  |
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| mg  |                      | 3.               |         | restricted (<br>to be conducted)          | indicate operation(s)       | 4            | FO          | REST (Wildli                             | fe Conservati | on)   |                       |          | 5          | PATROLLING                                    | 3           | ĵ,        | 6           | WEATHER              | CONTROL  |
| CERTIFICATION REQUESTED                   |                      | 1                |         |   | <u> </u>                    | 0,,          | ОТ          | HER (Specify                             | )             |   |                       |          |            | <u>,                                     </u> |             |           |             |                      |  |
| 8   |                      | 4.4              | ľ       |   |                             | ,1 <b>1</b>  | / RE        | SEARCH A                                 | ND DEVEL      | OPMI  | ENT                   |          | 2          | AMATEUR BI                                    | JILT        |           | 3.          | EXHIBITION           | 1  |
| CA  |                      | 1                |         |   |                             | 4            | AIR         | RACING                                   |               |   |                       |          | 5          | CREW TRAIN                                    | IING        |           | 6           | MARKET S             | URVEY  |
| Į.  |                      | 4                | 1       | EXPERIMENTA                               |                             | ,0           | то          | SHOW CO                                  | MPLIANCE      | WITI  | THE CF                | FR .     | a <b>7</b> | OPERATING                                     | (Primary    | Category  | KITE        | BUILT AIRCRA         | FT   |
| l ä                                       |                      |                  | ١*      | operation(s) to be                        | conducted)                  |              |             | CDATNIC                                  | 1 8A          | <u>.                                     </u> | Existing              | Aircn    | aft withou | t an airworthiness                            | certificate | & do not  | meet §      | 103.1                |  |
| =   |                      |                  |         |   |                             | 8            |             | ERATING<br>HT-SPORT                      | . , 8B        | _   | Operati               | ing Lig  | tht-Sport  | Kit-Built                                     |             |           |             |                      |  |
|   |                      | 1975             | L       |   | -                           | 1847<br>1842 |             |  | 8C            |   | Operati               | ing ligh | ht-sport p | reviously issued sp                           | ecial light | -sport ca | tegory (    | airworthiness certif | icate under § 21.190                             |
|   |                      |                  |         |   |                             | :11          | FE          | RRY FLIGH                                | T FOR RE      | PAIRS   | S, ALTER              | ATIC     | ONS, MA    | AINTENANCE, O                                 | OR STO      | RAGE      |             |                      |  |
|   |                      | 1                |         | SPECIAL FLIG                              |                             | 2            | EV          | EVACUATION FROM AREA OF IMPENDING DANGER |               |   |                       |          |            |   |             |           |             |                      |  |
|   |                      | 8                |         | then complete Sec                         |                             | 3            | OP          | ERATION II                               | N EXCESS      | OF N  | IAXIMUM               | 1 CEF    | RTIFICA    | TED TAKE-OF                                   | F WEIGI     | нт        |             |                      |  |
|   |                      | 1                |         | applicable on reve                        | rse side)                   | 4            | DE          | LIVERING (                               | OR EXPOR      | TING  |                       |          | 5          | PRODUCTIO                                     | N FLIG      | IT TES    | TING        |                      |  |
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|   | C \\ 6               |                  | MU      | LTIPLE AIRWO                              | RTHINESS CERT               | IFICAT       | E (check    | ABOVE Res                                | tricted Opera | tion" a                                       | nd "Stander           | or '     | "Limited"  | as applicable)                                |             |           |             |                      |  |
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|   | NAME                 | Blac             | kwa     | ter Airships                              | , LLC.                      |              |             |  |               | ADI   | DRESS<br>PC           | ) Bov    | 1000 N     | loyock NC 27958                               | 2.1029      |           |             |                      |  |
|   | B AIRC               | 'RAF             | T CEI   | TIFICATION BA                             | VSIS (Check applica         | hin hinci    | e and on    | moloto itoma s                           | e Indicated)  |   |                       |          | 1025,10    |   | . 1027      |           |             |                      |  |
| No.                                       | All                  | RCRA             | FT S    |   | OR TYPE CERTI               |              |             |  |               |   | AIRWO                 | RTHI     | NESS C     | DIRECTIVES (C                                 | eck if all  | applicabl | o AD's      | are compiled with    | and give the                                     |
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| ፟፟፟፟፟                                     | All                  | RCRA             |         | STING (Give page                          | number(s))                  |              |             |  |               |   | SUPPLE                |          |            | YPE CERTIFICA                                 | ATE (List   | number    | of each     | STC incorporated     | 9  |
|   |                      |                  |         | V/A                                       |                             |              |             |  |               | <u> </u>                                      |                       | N.       | /A         |   |             |           |             |                      |  |
| OWNER'S CE                                |                      |                  |         | ECORDS IN                                 | AAINTENANCE F               |              |             |  |               |   |                       |          | 135.16     | XPERIMENTA                                    | ONLY        | /Catao to |             | um alana lant anet   | instruction                                      |
| ×   | c                    | OMPL             | JANC    | E WITH 14 CFF                             |                             | u ioui       | 11.00       |  |               |   |                       |          |            | enewed) 0                                     | . 01121     | (EIROI IR | oura no     | wir auroe iast corui | Cete /35000 G                                    |
| =   |                      | ection<br>RTIFIC |         |   |                             | eaister      | ed own      | er (or his ac                            | ent) of the   | aircra  | ıft describ           | ed a     |            |   | registe     | red with  | the F       | ederal Aviation      | Administration in                                |
|   | accorda              | псе ч            | rith Ti | itle 49 of the Uni                        |                             |              |             |  |               |   |                       |          |            |   |             |           |             |                      | and eligible for the                             |
|   | DATE C               |                  |         | icate requested.<br>ATION                 | NAME AN                     | D TITL       | E (Print o  | r type)                                  |               |   |                       |          | 1:         | SIGNATURE                                     | $A \neq$    |           |             | <del>//</del> /      | <u>:</u>   |
|   | 11                   | 1                | +       | per Zvo                                   | i                           |              |             | (Vice Pro                                | esident)      |   |                       |          |            |   | I/ (        | ^         | X           |                      |  |
|   | A THE                | AIRC             | RAF     |   | BOVE HAS BEE                |              |             | <u>`</u>                                 |               | RTHY  | BY: (Con              | malete   | the secti  | on only if 14 CER                             | art 21.18   | 3/d) enn! | - 1         | <i>/</i>             | <del> </del>                                     |
| z _                                       |                      |                  |         |   | ICATE HOLDER                | 10.5         | : Iz        | CERTIFICA                                |               |   | <u> </u>              |          | Ale I      | I CERT  |             |           |             | TATION (Give C       | ertificate No.)                                  |
| IV. INSPECTION<br>AGENCY<br>VERIFICATION  | 2                    | (Giv             | e Cert  | ificate No.)                              |                             | 3            |             |  |               |   |                       |          |            | 6   |             |           |             |                      |  |
| SER                                       | 4<br>5.              | AIF              | RCRA    | FT MANUFACT                               | URER (Give name o           | or firm)     |             |  |               |   |                       |          |            | ***************************************       |             |           |             |                      |  |
| S S E                                     | r o:<br>eaft         |                  |         |   |                             |              |             |  |               |   |                       |          |            |   |             |           |             |                      |  |
| ≥ 5                                       | DATE                 |                  |         |   | TITLE                       |              |             |  |               |   |                       |          |            | SIGNATURE                                     |             |           |             |                      | <del></del>                                      |
|   | (Ch.::1.::           | 1                |         | Ll  | <u> </u>                    |              |             |  |               |   | T-21.                 |          |            |   |             |           |             |                      |  |
| ΣĀ  | 1.                   |                  |         | block items A and B<br>craft described in | )<br>n Section I or VII i   | neets r      | equirem     | ents for                                 |               | 4   |                       |          |            | OR MODIFICA                                   |             | F CURF    | RENT        | AIRWORTHINE          | SS CERTIFICATE                                   |
| V. FAA<br>REPRESENTATIVE<br>CERTIFICATION |                      |                  |         | special permit u                          | nder Section VII w          | 88           |             | FAA IN                                   | SPECTOR       | 1   |                       |          |            | AA DESIGNEE                                   |             |           |             |                      |  |
| SENT                                      | L                    | ucted            | by:     | · · · · · · · · · · · · · · · · · · ·     |                             | ,            |             |  | FICATE H      |   | R UNDEF               | ₹        | 1          | 4 CFR part 65                                 |             |           | _           | 21 OR 135            | 14 CFR part 145                                  |
| PRE V                                     | DATE                 |                  |         | DISTRICT OF                               | FICE                        | DE<br>4      | SIGNEE      | E'S SIGNAT                               | URE AND       | NO.   |                       |          |            | 100   | NSPEC.      | TOR'S     | SIGNA       | ATURE                |  |
| . H.                                      | 11/7/                | 201              | クフ      | Atlanta M                                 | ido 🖟                       |              | ].Ha        | 1  | DAR           | , c   | TOUG                  | 7        | سير ي      | , <b>1</b>                                    |             |           |             |                      |  |
| L   | 11.1.1               |                  | • •     |   |                             |              | · · · · · · | W  | /7K           | - 3   | , 57, 4               |          |            | ـــلــنـــــــــــــــــــــــــــــــ        |             |           |             | <del></del>          | <del></del>                                      |

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|   | A. M   | ANUFAC  | TURER                                 |               |                        |  |         |   |                               |                               | · · · · · · · · · · · · · · · · · · · |  |  |
|---|--|---|---------------------------------------|---------------|------------------------|--|---------|---|-------------------------------|-------------------------------|---------------------------------------|--|--|
|   | NAM  |   |                                       | L             |                        |  | ADDRES  |   |                               |                               |                                       |  |  |
| _   | INAM   | ic  |                                       |               |                        |  | ADDRES  | •   |                               |                               |                                       |  |  |
| VI. PRODUCTION<br>FLIGHT TESTING  | B. PRODUCTION BASIS (Check applicable item)  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| TES   |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| PRO   |  |   |                                       | ION CERTIFI   | ICATE (Give production | n certificate number)                  | *****   | <del></del>   |                               | **************                |                                       |  |  |
| ≥ ⊒   |  | -   |                                       |               | ION INSPECTION S       | SYSTEM                                 |         |   |                               |                               |                                       |  |  |
|   | C. G   |   |                                       |               | ~                      | R OPERATING NEEDS                      |         |   |                               |                               |                                       |  |  |
|   | DAT  | E OF AP   | PLICATION                             | J             | NAME ANI               | D TITLE (Print or Type)                |         |   | SIGNATU                       | RE                            |                                       |  |  |
|   |  | ESCRIB  | TION OF A                             | IDCDAET       |                        |  |         |   |                               |                               |                                       |  |  |
|   |  |   | D OWNER                               | KOKAFI        |                        |  | ADDRESS |   |                               |                               |                                       |  |  |
|   |  |   | · · · · · · · · · · · · · · · · · · · |               |                        |  |         |   |                               |                               |                                       |  |  |
|   | BOIL   | .DER (Ma  | ke)                                   |               |                        | : 1                                    | MODEL   |   |                               |                               |                                       |  |  |
|   | SER  | IAL NUN   | IBER                                  |               |                        |  | REGISTR | ATION MARK  |                               |                               |                                       |  |  |
|   |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
|   | B. D   |   | TION OF FI                            | LIGHT         |                        | CUSTOMER DEN                           |         | TION FLIGHTS  | (Check if app.                | licable)                      |                                       |  |  |
|   |  | NVI   |                                       |               |                        |  | то      |   |                               |                               |                                       |  |  |
| EST   | VIA  |   |                                       |               |                        |  | DEPART  | JRE DATE  |                               | DURATION                      |                                       |  |  |
| <u> </u>  |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| FLIG  | C. C   |   |                                       | O OPERATE     |                        | ND ITS EQUIPMENT                       |         |   |                               |                               |                                       |  |  |
| <b>N</b> O  | <u> </u>   | 1   | PILOT                                 | E NOT MEE     | CO-PILOT               | FLIGHT ENGINEER E AIRWORTHINESS REQUIR |         | OTHER (Specify)   | 1                             |                               |                                       |  |  |
| <u> </u>  |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| 5   | 1  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| 3   | İ  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
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| 불   | l  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| ်စ္သ  |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
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| Pur   |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| Z.W.  |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| VIA  DEPARTURE DATE  DURATION  C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT  PILOT  D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:  E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION: (Use attachment if necessary) |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| ᅙ   | HO   |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| 7   |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
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| l ".  |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| ¥   |  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
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|   | 1  |   |                                       |               |                        |  |         |   |                               |                               | Ì                                     |  |  |
| ]   | <u></u>  |   |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
| Ī   | F. C   | F. CERTIFICATION – I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Title 49 of the United States Code 44101 of seq. and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is safe for the flight described. |                                       |               |                        |  |         |   |                               |                               |                                       |  |  |
|   | DAT  |   | -                                     |               | AND TITLE (Print or T) |  |         |   | SIGNATURE                     |                               |                                       |  |  |
|   |  |   |                                       |               |                        |  |         |   |                               | <u>-</u>                      |                                       |  |  |
|   | 1  | A. Op   | erating Limi                          | tations and f | Markings in Compliar   | nce with 14 CFR Section 91.9,          |         | C. Statement of Con-  |                               | 0420 0 (Attachhor ma          |                                       |  |  |
| 8   |  |   | applicable.                           |               |                        | <u> </u>                               |         |   |                               | Form 8130-9 (Attach when requ |                                       |  |  |
| SS  | B. Current Operating Limitations Attached  H. Foreign Airworthiness Certification for Import Aircraft (Attach when required) |   |                                       |               |                        |  |         | tion for Import Aircraft  |                               |                               |                                       |  |  |
| VDES CDES   | C. Data, Drawings, Photographs, etc. (Attach when required)  |   |                                       |               |                        |  |         |   | ite Inqued in Accordance with |                               |                                       |  |  |
| WORT<br>(FAR  | -  |   |                                       |               |                        |  | _       | Previous Airworthiness Certificate Issued in Accordance with     14 CFR Section CAR (Original Attached) |                               |                               |                                       |  |  |
| AIR   | <b>✓</b>   | D. Cı   | rrent Weigh                           | t and Balanc  | e information Availat  | ble in Aircraft                        |         | 17 OI N 3600011   | CAR(Original Attached)        |                               |                                       |  |  |
| VIII. AIRWORTHINESS DOCUMENTATION (FAAIDESIGNEE only)   |  | E. Ma   | ijor Repair a                         | nd Alteration | ı, FAA Form 337 (Atte  | ech when required)                     | _ ✓     | J. Current Airworthir<br>14 CFR Section 21.   |                               | te Issued in Accordance with  | (Copy Attached)                       |  |  |
| DOCE  | ✓  | F. Th   | s inspection                          | Recorded in   | n Aircraft Records     |  |         | K. Light-Sport Aircre   | aft Statement of              | of Compliance, FAA Form 8130  |                                       |  |  |

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|                    | DEF   | UNITED STATES OF AMERI<br>PARTMENT OF TRANSPORTATION - FEDERAL<br>SPECIAL AIRWORTHINESS C | AVIATION ADMINISTRATION         |  |  |  |  |  |  |
|--------------------|---|---|---------------------------------|--|--|--|--|--|--|
| Α                  | CATEGORY/DESIGNATION EXPERIMENTAL PURPOSE RESEARCH AND DEVELOPMENT  |   |                                 |  |  |  |  |  |  |
| В                  | MANU-<br>FACTURER   | NAME N/A ADDRESS N/A  |                                 |  |  |  |  |  |  |
| С                  | FLIGHT FROM N/A   |   |                                 |  |  |  |  |  |  |
| D.                 | N- 6542   | B   | SERIAL NO. 400-001              |  |  |  |  |  |  |
| L                  | BUILDER F   | LACKWATER AIRSHIPS LLC  | MODEL POLAR 400                 |  |  |  |  |  |  |
|                    | DATE OF IS  |   | EXPIRY NOV 6 2008               |  |  |  |  |  |  |
| E                  | OPERATING   | LIMITATIONS DATED NOW 7 200   | 7ARE A PART OF THIS CERTIFICATE |  |  |  |  |  |  |
| -                  | SIGNATURE OF  | FAA REPRESENTATIVE  | DESIGNATION OR OFFICE NO.       |  |  |  |  |  |  |
|                    | J. HAN  | KINSON J. Hanlan  | DARF501107CE                    |  |  |  |  |  |  |
| Any<br>impr<br>ACC | Any alteration, reproduction or misuse of this certificate may be punishable by a fine not exceeding \$1,000 or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS. |   |                                 |  |  |  |  |  |  |
| FAA FC             | FAA FORM 8130-7 (10/82) SEE REVERSE SIDE  |   |                                 |  |  |  |  |  |  |

| Α | This airworthiness certificate is issued under the authority of the Federal Aviation Act of 1958 and the Federal Aviation Regulations (FAR).   |
|---|--|
| В | This airworthiness certificate authorizes the manufacturer named on the reverse side to conduct production flight tests, and only production flight tests, of aircraft registered in his name. No person may conduct production flight tests under this certificate: (1) Carrying persons or property for compensation or hire; and/or (2) Carrying persons not essential to the purpose of the flight.  |
| С | This airworthiness certificate authorizes the flight specified on the reverse side for the purpose shown in Block A.   |
| D | This airworthiness certificate certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to meet the requirements of the applicable FAR. The aircraft does not meet the requirements of the applicable comprehensive and detailed airworthiness code as provided by Annex 8 to the Convention On International Civil Aviation. No person may operate the aircraft described on the reverse side: (1) except in accordance with the applicable FAR and in accordance with conditions and limitations which may be prescribed by the Administrator as part of this certificate; (2) over any foreign country without the special permission of that country. |
| Ε | Unless sooner surrendered, suspended, or revoked, this airworthiness certificate is effective for the duration and under the conditions prescribed in FAR Part 21, Section 21,181 or 21,217.   |

**☆** U. S. GPO: 1988-562-538



Federal Aviation Administration

## SPECIAL EXPERIMENTAL RESEARCH and DEVELOPMENT OPERATING LIMITATIONS

MAKE: Blackwater Airships, LLC

**MODEL: Polar 400** 

**SERIAL NUMBER: 400-001** 

**REG. NUMBER: N6542B** 

DATE ISSUED: Nov. 7, 2007

**EXPIRATION: Nov. 6, 2008** 

- 1) No person may operate this aircraft unless Form 8130-7 is displayed at the cabin or cockpit entrance and visible to flight crew members.
- 2) No person may operate this aircraft for other than the purpose of Research and Development, to accomplish the flight operation outlined in the program letter dated October 1, 2007, which describes compliance with 21.193(d), and has been made available to the pilot in command of the aircraft. In addition, this aircraft must be operated in accordance with applicable air traffic and general operating rules of part 91, and all additional limitations herein prescribed under provisions of 91.319(e).
- 3) All flights of this aircraft must be conducted over open water or sparsely populated areas having light air traffic, within the geographic area described as follows: Within 50 nautical mile radius of the former Weeksville, NC Naval Air Station (EKV) 36°13'59.19"N, 76°08'0.01"W.
- 4) This aircraft must not be operated unless it is inspected and maintained in accordance with the manufacturers recommendations. The owner/operator must select, establish, identify, and use an inspection program as set forth in 91.409(e), (f), (g) and (h). This inspection program must be recorded in the aircraft maintenance records.
- 5) The pilot in command of this aircraft must hold an appropriate category/class rating. If required for the type of aircraft to be flown, the pilot in command also must hold either an appropriate type rating or a letter of authorization issued by an FAA Flight Standards Operations Inspector.
- 6) This aircraft is to be operated under VFR, day and/or night.
- 7) No person may operate this aircraft for carrying persons or property for compensation or hire.
- 8) No person may be carried in this aircraft during flight unless that person is essential to the purpose of the flight.
- 9) The pilot in command of this aircraft must advise each passenger of the experimental nature of this aircraft, and explain that it does not meet the certification requirements of a standard certificated aircraft.
- 10) This aircraft must contain the placards, markings, etc. required by 91.9©.

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- 11) This aircraft is prohibited from aerobatic flight, that is, an intentional maneuver involving an abrupt change in the aircrafts attitude, an abnormal attitude, or abnormal acceleration not necessary for normal flight.
- 12) No person may operate this aircraft unless within the preceding 12 calendar months it has had a condition inspection performed in accordance with appendix D of part 43, or other FAA approved program, and was found to be in a condition for safe operation. This inspection will be recorded in the aircraft maintenance records.
- 13) Only FAA certificated mechanics with appropriate ratings as authorized by 43.3 may perform inspections required by these operating limitations.
- 14) Inspections must be recorded in the aircraft maintenance records showing the following, or a similar worded statement: "I certify that this aircraft has been inspected on [insert date] in accordance with the scope and detail of appendix D to part 43, or other FAA approved program, and was found to be in a condition of safe operation." The entry will include the aircraft's total time-in-service, and the name, signature, certificate held by the person performing the inspection.
- 15) This aircraft must display the word "EXPERIMENTAL" in accordance with 45.23(b).
- 16) The pilot in command of this aircraft must notify air traffic control of the experimental nature of this aircraft when operating into or out of airports with operating control towers. The pilot in command must plan routing that will avoid densely populated areas and congested airways when operating VFR.
- 17) Aircraft instruments and equipment installed and used under 91.205 must be inspected and maintained in accordance with the requirements of parts 43 and 91. Any maintenance or inspection of this equipment must be recorded in the aircraft maintenance records.
- 18) Application must be made to the Atlanta MIDO for any revision to these operating limitations.
- 19) Section 47.45 requires that the FAA Aircraft Registry must be notified within 30 days of any change in the aircraft registrant's address. Such notification is to be made by submitting Form 8050-1 to AFS-750 in Oklahoma City, Oklahoma.

Nov. 7, 2007

FAA D

John Hankinson

**DARF501107CE** 

FAA Representative

Designation

These operating Limitations have been explained, are understood and accepted

Nov. 7, 2007

Date

Date

Pilot in Command