

**APPLICATION TO REVIEW**  
**WASTE LICENCE REG. NO. W0079-01**  
**FOR GREENSTAR LTD**  
**COOKSTOWN INDUSTRIAL ESTATE**  
**TALLAGHT**  
**DUBLIN 24**

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**Prepared For: -**

Greenstar Ltd.,  
Unit 6,  
Ballyogan Business Park,  
Ballyogan Road,  
Sandyford,  
Dublin 18

**Prepared By: -**

O' Callaghan Moran & Associates,  
Granary House,  
Rutland Street,  
Cork.

**November 2009**

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## INTRODUCTION

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Greenstar Ltd (Greenstar) is applying to the Environmental Protection Agency (Agency) for a review of the Waste Licence for its Materials Recovery Facility at Unit 41, Cookstown Industrial Estate, Tallaght, Dublin 24 (W0079-01). The objective of the review is: -

- To allow for the change of the principal activity from Class 13 of the Third Schedule to Class 3 of the Fourth Schedule of the Waste Management Acts 1996 to 2008;
- To allow for the acceptance of metal wastes arising from commercial enterprise and households;
- To allow for the external processing and storage of metals;
- To allow for the acceptance of End of Life Vehicles.

The format of the application is based on the requirements of Parts II and III of the Waste Management (Licensing) Regulations 2004 (2004 Regulations) and in particular Articles 5, 6, 7, 9, 12 and 13.

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## 1. ARTICLE 5, 6, 7 & 9

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Copies of the notice published in a newspaper circulating in the area, the site notice, and the written notice submitted to the planning authority are included overleaf. The location of the site notice is shown on Drawing No. 4.

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LEGAL

THE CIRCUIT COURT DUBLIN... THE LICENSING ACTS 1833 TO 1995 AND IN THE MATTER OF: THE LICENSING ACT (IRELAND) 1874 SECTION 10 AS AMENDED BY SUBSTITUTION IN THE FIRST SCHEDULE TO THE COURTS [No. 2] ACT 1986 AND IN THE MATTER OF: THE LICENSING (IRELAND) ACT 1833 SECTION 6 AND IN THE MATTER OF: AN APPLICATION OF HUNTERS CREEK LTD THROUGH its Nominee Gerard Harkin Applicant NOTICE OF APPLICATION TAKE NOTICE that Hunters Creek Ltd having its registered office at 18 Grand Canal Place, North, Dublin will apply through its Nominee Gerard Harkin of 57 Cromwellsfort Road, Walkinstown, Dublin 12 to the Circuit Court, sitting at Court Four Courts, Dublin 7 which sittings will commence at 10.00 a.m. on Thursday the 17th day of December 2009 or at the first opportunity thereafter for a Certificate entitling and enabling the Applicant to receive a new full Publican's Ordinary 7 Day On Licence for the sale of intoxicating liquors at the former Licensed Public House premises known and trading as The Old Harbour, 18 Grand Canal Place North and 6 Echlind Canal in the Parish of St. James, City of Dublin which said premises are more particularly shown on the Plans to be adduced at the Hearing of this Application WHEREUPON the area proposed to be licensed is surrounded by a red verge line. Dated the day of 2009 Signed Gerard Harkin Nominee of Applicant Signed P.A. FERRIS & CO Solicitors for Applicant Company 227 The Capel Building, Mary's Abbey DUBLIN 7 TO; The County Registrar Four Courts, Dublin 7 And to The Judge of the District Court Dublin Metropolitan District Four Courts, Dublin 7 AND TO; The Superintendent An Garda Síochána Kevin Street, DUBLIN 2 AND TO; The Chief Fire Officer Fire Brigade Headquarters, Tara Street DUBLIN 2.

LEGAL

B&S DOMESTIC CREDIT COMPANY LIMITED, having ceased to trade having its Registered Office at 41 Monastery Drive, Clondalkin, Dublin 22, and having no assets or liabilities, has resolved to notify the Registrar of Companies that the company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to section 311 of the Companies Act 1963 to strike the name of the company off the register. By order of the Board. Gerard O'Brien Director/Secretary.

IN THE MATTER OF THE COMPANIES ACTS 1963 TO 2006 AND IN THE MATTER OF DM JADE HOLDINGS LIMITED, FITRYT LIMITED, L & L AUTOS LIMITED, THE SHELBOURNE PUBLIC HOUSE LIMITED, NEWELL IRELAND LIMITED, ECLECTICA AGRICULTURAL FUTURES FUND PLC, JMS DEVELOPMENTS LIMITED, CHAMBOURG CATERING LIMITED, CLOWATER LIMITED, HYLAND ELECTRICAL CONTRACTORS LIMITED, JD LEISURE LIMITED, HEXAHOME PLC, AMERICAN BEACON GLOBAL FUNDS PLC, ENVI COMMUNICATIONS LIMITED (All in Voluntary Liquidation) Notice is hereby given that the final meeting of members and creditors will be held on 15 December, 2009 at Dublin Thornton, 24-26 City Quay, Dublin 2 commencing at 9.30am and at intervals of 15 minutes thereafter, for the purposes as set out in Sections 263, 275 and 305 of the Companies Acts 1963 to 2006. Dated 13 November 2009. MICHAEL MCATEER DECLAN McDONALD PAUL McCANN Liquidators.

PLANNING

KILDARE COUNTY COUNCIL MPFI Schools 2, intends to apply for permission for development on a site of 4.974 hectares, at Crockanure Glebe, Dunmurray Road, Kildare Town, Co. Kildare. The development will consist of: Construction of a 1-2 storey post primary school ('Kildare Town Community School') for educational purposes, which will accommodate c.1,000 pupils, comprising 25 no. classrooms, 4 no. Group Rooms and 1 no. Lecture Room, Special Needs Unit, library, general purpose / dining / social areas, staff / administration areas, PE hall and fitness area, store areas, toilets, and all ancillary areas, the building to be 1-2 storeys in height, (with a maximum building height of 11.525m); and with a central internal courtyard. Temporary vehicular access off Dunmurray Road, until such a time as a permanent access can be provided off Old Road, to the west of the site. Provision of 1 no. grassed playing pitch, 6 no. hard surface play areas, 80 no. car parking spaces, cycle parking areas, bus and car set down areas. All ancillary site development, landscaping and boundary treatment, drainage and infrastructural works. The total gross floor area of the school (inclusive of ancillary areas comprising external storage, groundsman office and ESB substation / switch room) is c. 10,129 m2. This proposed development is to be carried out on behalf of and in partnership with the Department of Education and Science and County Meath VEC. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority during its public opening hours. A submission or observation in respect of the application may be made in writing to the Planning Authority on payment of the prescribed fee of Eur20, within the period of five weeks beginning on the date of receipt by the authority of the application.

MEATH COUNTY COUNCIL MPFI Schools 2, intends to apply for permission for development on a site of 3.738 hectares, located off Lower Bridge Street / Kells Road, in the townland of Fosterfields, Athboy, Co. Meath. The site is bounded by Stables of Athboy House and Tunnel (PROTECTED STRUCTURE, Ref. RPS MH29-0229) to the west. The Tunnel

PLANNING

traverses a portion of the western boundary of the application site. The development will consist of: Demolition of existing single storey (storage) buildings on site (with a total area of c. 59.6 m2); Construction of a 1-2 storey post primary school ('Athboy Community School') for educational purposes, which will accommodate c.950 pupils, comprising 21 no. classrooms, 4 no. Group Rooms and 2 no. Lecture Room, Special Needs Unit, library, general purpose/dining/social areas, staff/administration areas, PE hall, store areas, toilets, and all ancillary areas. The building to be 1-2 storeys in height, (with a maximum building height of c. 13.39 m); and with 2 no. internal courtyards. Vehicular access via existing access (to be widened and realigned) off Kells Road (N51). An access to existing St. James' Vocational School to be provided off this widened access road to the school. The gates (associated with the former Athboy Lodge) at the existing site entrance, to be relocated within the site (to a position to the west of the section of the Athboy Tunnel (PROTECTED STRUCTURE, Ref. RPS MH29-0229) which traverses the site), as part of overall site development and landscaping works. Secondary pedestrian access to be provided to school from Kells Road (N51) (on eastern side of St. James' Vocational School site). Provision of 1 no. grassed playing pitch, 70 no. car parking spaces, cycle parking areas, bus and car set down areas. All ancillary site development, drainage and infrastructural, landscaping and boundary treatment works. The total gross floor area of the school (inclusive of ancillary areas comprising external storage, groundsman office and ES substation / switch room) is c. 10,057 m2. This proposed development is to be carried out on behalf of and in partnership with the Department of Education and Science and County Meath VEC. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority during its public opening hours. A submission or observation in respect of the application may be made in writing to the Planning Authority on payment of the prescribed fee of Eur20, within the period of five weeks beginning on the date of receipt by the authority of the application.

PLANNING

DUN LAOGHAIRE RATHDOWN COUNTY COUNCIL Further Information/ Revised Plans Register Reference No. D08A/1408 MCM Partnership applied for development at a site at Glenamuck, Dublin 18. The site includes the residential property 'Dun Oir'. The site is bounded to the south-east by Glenamuck Road and residential properties of 'Glencarrick' and 'Rocklands' and their associated grounds; to the north, north-east and west by agricultural lands. The revised boundary area provides for upgrade and improvement works to Glenamuck Road and Enniskerry Road and a revised site area of c. 3.23 hectares. Significant further information/ revised plans have been submitted and are available for inspection or purchase at a fee not exceeding the reasonable cost of making a copy at the Planning Authority offices, Dun Laoghaire Rathdown County Council, County Hall, Marine Road, Dun Laoghaire, during its public opening hours (10.00am to 4.00pm, Monday to Friday, excluding public holidays). A submission or observation in relation to the further information or revised plans may be made in writing to the planning authority not later than 2 weeks after the receipt of the newspaper notice and site notice by the planning authority. A submission or observation must be accompanied by the prescribed fee, except in the case of a person or body who has already made a submission or observation.

DOG CARDS & RESULTS: 1560 999 888

HAROLD'S CROSS

- 1 4622 Deenside Electra 30.03
2 1432 Headleys Millie 18.20
3 4521 Weston Black 30.02
4 1321 DARVER QUEEN 30.55
5 2611 Ronnoco Mally 30.54
6 2521 Crooked Rd Lass 30.03
8.10 - 525
1 22 Hondo Nifty 30.53
2 22 Homebrush Chloe 30.38
3 21 West Way Rock 30.05
4 21 Another Maldini 30.36
5 2211 SERIOUS DECISION 30.04
6 211 Merseyside Anna 30.48
8.25 - 525
1 4661 Joes Birthdayboy 30.51
2 5835 Triptronic Leo 30.48
3 4421 Flying Kite 30.54
4 512 RUN ON MISTAKE 30.17
5 1636 Master Ted 30.45
6 4565 Tomnaboley Razi 30.70
8.40 - 525
1 4511 Nice Duke 30.34
2 2621 Yeneed Heart 30.01
3 4411 Cullane Archie 30.23
4 5321 Darkling 30.14
5 2221 MONKSLAND PILOT 29.73
6 1523 Abbeyleix 31.08
8.55 - 525
1 2411 GENIES HAWK 29.70
2 2311 Ballymorelin Dan 29.98
3 1412 Saunders Jack 30.51
4 212 Merseyside Queen 30.10
5 5142 Efferogue Posh 30.25
6 1261 Step It Out 29.82
9.10 - 525
1 4511 Kilbride Lassie 29.80
2 4331 Easy Virtue 29.54
3 2213 Trashers Jewel 29.64
4 3311 MORE BLING 29.63
5 5311 Tomandjohn 29.78
6 6212 Bone Idle Billie 29.82
9.25 - 570
1 5241 Sail Along 30.01
2 6521 Massimo's Cedars 32.53
3 3531 Pooper Scouper 29.95
4 2431 Shawadi 30.19
5 6542 Sals Dawn 33.28
6 3511 OYSTER SAVINGS 30.95
9.40 - 525
1 1162 Forest Harry 17.92
2 1451 Toberadora Sam 18.07
3 3511 Snip Nora 29.96
4 4163 KISS THE GROOM 29.34
5 1121 Liquorice Lunch 17.85
6 4122 Cutie Seven 29.90
9.55 - 525
1 3521 Oxtail 29.94
2 5632 Crashes Assassin 29.73
3 1142 WESTON CHANCE 29.42
4 5113 Frankie And Me 19.02
5 5661 Clear Opt 29.60
6 3622 Murphs Mutt 30.08
10.10 - 525
1 1412 Lou Rocket 29.37
2 6312 Patricia Nikita 32.20
3 1211 CHUCKIE 29.58
4 3411 Gallygate 29.42
5 4132 Thea Macka 18.17
6 1112 Drummeragh Spike 21.70
10.25 - 570
1 1111 Morning Call 29.39
2 6132 Sound Ahead 29.07
3 2221 Forest Raven 32.58
4 3312 Willie Getaway 29.14
5 1111 DARING BLACKIE 31.68
6 4521 Kingston 31.92

ENNISCORTHY 8.0

525 - Myshall Rocket, Knewood

Spot, Rahdarrig Ger, Tuppence Worth, Shefford Joker, Cushie Me, 525 - Borodale Soldier, Elite Gem, Goose, Metric Peach, Sunfire Royal, Bish Bash Bosh.
525 - Kuda Mac, Kellistown Fox, Cool Rocket, Ashfield Crystal, Imaal Diamond, Elite Rocky.
525 - Running Spark, Ballyrhan Rumble, St. Dubh's Prid, Fatboy, Tedbundy, Cushie Matilda, Certic Captain.
525 - Inch Soldier, Kilquin, Gertie, Ojays Lee, Polly Pick, Business Doc, Kearneys Jessy.
525 - Brinley Finley, Horses Legs, Oria One, Brave Milly, Vena Maria, Oakwood Babs.
525 - Rathvilly Shy, Cill Dubh Bet, Ardavan Maid, Staplestone Hawk, On Line Jim, Tain Ferdia.
525 - Two Penny Flue, Boot Slasher, Berryland Lad, Toms Jess, Flying Hen, Pegs Hollow.
525 - Cumming Story, Lady Satin, Elite Tiger, Heavenly Jet, Kellistown Lee, Bohemian Blue.
525 - Oakley Diva, Metric Katie, Dairylane Fly, Offshore Trend, Regal Crash, Power Aide.

LIMERICK 8.0

525 - Bang On Star, Mashie, Gortakillen Gal, Peaceful Harry, Mays Soldier, Follow The Train.
300 - Foxwood Vicky, Bunoke Master, Ballinagun Gift, Selinas Dazzler, Pailasmore Prid, Inabeve.
525 - Kilkenny Welcome, Ocean Gem, Helen, Pall Mall, Johnnies Crash, Riverevue Dream.
300 - Islande Rumble, Lassana Bay, Olyls Last, Athlaccas Rebel, Katmons Touch, Christs Lass.
525 - Cunningham, Lady Satin, Jacks Cui, Gurnacrehy Lad, Ocean Hero, Bling Bling Anna.
525 - Ate The Grass, Megans Amy, Dromina Blue, Mohane Music, Bluemoon Redro, Pats Farewell.
525 - Shelbourne Pudo, Knocktoosh Play, Knockdrum venus, Christs Diamond, Ballinully Jewel, Fastaway Lilly.
525 - Smoother Lad, Nicolas Fancy, Rahina Touch, Noreens Song, Run Brave, Singsar.
525 - Liosgarbh Nivea, Hold On Buddy, Thurbiesob, Obama, Malaly Tevez, Newlawn Mike, Tyrone Ned.
525 - Knockderk View, Tromora Daisy, Ballyshea Lass, Masseytown Tommy, Cuten Deck, Illtelloyu.

LONGFORD 8.0

525 - Bective Digger, Castleroggy Les, Tahina Hawk, Penthouse Star, Run on Rocky, Drumkreean Boy.
330 - Carn Cruise, Rhythum Ed, Babyshambles, Kilduff Lass, Knockmatt King, Demese Eiga.
525 - Berties Maestro, Jackokee, Soraya, Bective Swifty, Cordolla Prid, Jazzy Fantasy.
525 - Oran Amigo, Ballybride Rover, Carn Glen, Kilgagh Fire, Marigold Billy, Groovy Socks.
525 - Lil Ms Berrery, Street Fighter, Time Out Embassy, Pin All Hope, Cleveland Brian, Gallowstown Boy.
525 - Bright Daisy, Sophie Gem, Mary Sue, Star Bright Gem, Mnosstown Hero, Springwell Kiely.
500 - Dartrey Spring, Rinco Boy, Missy Lou, Compass Harry, Springwell Ben, Clodhnaas Gal.
525 - Bolcan Pleasach, Greenbanks Girl, Smooth Drive, Goldwyn Black.

Pipin Fawn, Ardcame Lady, 525 - Belliner Kate, Learn From Love, Castleroggy Gold, Bunlahy Hades, Compass Kiki, Silveuroh Vierl.
570 - Moneygold Star, Fergies Dream, Cornakill Sandy, Gortown Wish, Full Portion, Galloun Flutter.

YOUGHAL 8.02

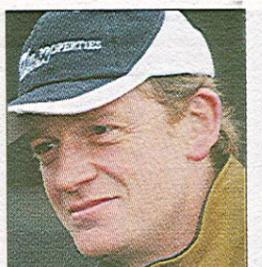
525 - Galleyport Lane, Springmount Juno, Clash Topnotch, Corrin Podge, Nifty Scholar, Why Starluck.
525 - Waterpark Tia, Icon, Miss Jumbos Topkitten, Dustys Icon, Miss Ruppera, Miss Razdazi.
525 - Belindas Pal, Mither Tap, Dotie Valentine, Castlemary Duff, Estie Prodigy, Lakeview Pally.
525 - Bouncing Moch, Opee Vino, Woody Pal, Mick From Grange, Nifty Scent, Dunabery Bond.
525 - January Style, Joskin, Movealong Storm, Belgouy Bucko, Reagrove Bush, Kranky Kian.
525 - Mountleader Ralf, On The Ticket, Mary Jamella, Castlemary Jade, Newyear Boy, Skinny Miko.
525 - Duntahane Sally, Jolly Rodger, Kranky Lithroid, Reagrove Smasher, Dromana Gale, Adams Tees.
525 - Clash Topup, Corrin Minnie, Compass Tommy, Seanachie Serena, Mossross Daisy, White Spice.
525 - Sophies Hawk, Funcheon Rumble, Clash Topgear, Butterbridge Gin, Big and Big, Seanos Sinatra.
525 - Leviewie Flash, Adams Bondie, Dazl Berry, Hucklebees Kid, Broadstrand Wave, Underdog.

RESULTS CLONMEL

525 - Bullet Road (2/1); Cronane Ivy (3/1); 6 1/2, 1, 29.76.
300 - Dylans Express (3/1); Kilkenny Jazeno (6/4); hd, 16.55.
525 - Sunvalley Crash (3/1); Lilly De Prite (3/1); 4, 1, 29.49.
525 - Glen Padden Bay (2/1); Tobias Luha (1); 1, 29.16.
525 - Leamaneigh Dawn (1); Honey Sue (1); sh, 29.08.
525 - Feedthehorse (5/2); Pick Up Tom (3/1); 2, 1, 28.99.
525 - Cooladery Fizz (3/1); Honey Jar (3/1); 2 1/2, 28.85.
525 - Boystown Gem (2/1); Gerpats Hawk (4/1); 1 1/2, 28.93.
525 - Newlawn Class (evens); Riverside Legend (3/1); 5, 1, 28.05.
525 - Dysart High King (evens); Granada Zak (4/1); 4, 1, 28.98.

LIFFORD

350 - Rough On Air (5/2); Triple Bill (5/2); 1/2, 19.27.
150 - Dicty Tucker (5/1); Asyoulikeit (5/1); s 1/2, 19.60.
350 - Hockey Hero (5/2); Caldram Frank (6/1); 4 1/2, 18.91.
525 - Move Over Austin (2/1); Equity Hollow (4/1); 2 1/2, 29.14.
525 - Knockmoyle King (9/4); In The Clear (5/1); 8 3/4, 1, 29.09.
525 - Young Mick (3/1); Ballymacan Man (4/1); 2 3/4, 1, 29.94.
350 - Rocktown Dawn (3/1); Equity Icon (7/1); hd, 19.12.
500 - Band Wagon Man (4/1); Fahy (7/1); 1/2, 1, 30.63.
750 - Dunlop Major (3/1); Navan Blue (5/1); 3/4, 1, 42.29.
525 - Pursstown (3/1); Hather For Pat (4/1); nk, 37.
525 - Jet Fuel Jenny (6/4); Lissarra Star (5/1); 1/2, 1, 29.35.
350 - Tygral Buster; Milltown Blue; 4 1/2, 19.03.



PLAN: Tom Mullins

HARBOUR IS ON THE BLINK FOR HENNESSY

BEN GIBSON reports

CHELSEA Harbour could have the assistance of headgear for his next racecourse appearance, possibly in the Hennessy later this month. The Tom Mullins-trained nine-year-old was well fancied for Saturday's Grade Three Servo Trophy Handicap Chase at Cheltenham.

But after travelling strongly, his run petered out and he passed the post in sixth place.

"I was happy enough with him, but I'm pretty sure blinkers will be applied next time," said the handler.

"We felt he threw the towel in when he came round the last bend when a few horses came up and around him.

"He's on a lovely weight in the Hennessy in a fortnight and he might just go there and take his chance.

"If he runs up to form he might get into the money there - hopefully we can get a good rider to do the light weight.

"The blinkers will sharpen him up a bit."

Some Present could return to action at Fairyhouse towards the end of the month after his second-place finish at Cheltenham on Friday.

Last season's Champion Bumper runner-up made a winning debut over obstacles at Punchestown in October, but has since finished runner-up twice.

Crawl

The six-year-old was beaten less than a length by Sweeps Hill on his penultimate start, in a race run at a crawl, while he finished strongly to get to within half a length of Loosen My Load in another slowly run affair on Friday.

Trainer Tom Mullins is now planning a possible tilt at the Bar One Racing Royal Bond Novice Hurdle on November 29, in which he could go head to head with Dunguib.

"He came out of the race great, but it was very frustrating the race was run again," said Kilkenny-based Mullins.

"It just worked out in favour of the winner and hopefully we'll be able to show our real ability the next day.

"We'll keep him going and might think about giving him a break after Christmas.

"The Royal Bond is Fairyhouse in a fortnight is definitely a possibility.

"There is also the Barry & Sandra Kelly Hurdle over two-and-a-half miles at Navan (December 13)."

FREE TO JOIN STAR Dating 1580 99 77 11

Women SEEKING Men... Kate - 26 dublin blonde 5'6 fairly fit, just looking for a nice guy... Lauren - Loves country and western music, dancing, great fun looking for a relationship... Edwina - 47 yr old. Widow, south co. Dublin, im 5'6 dark hair blue eyes medium build... Liz - 47 year old single parent who enjoys the craic and dancing... Belinda - Belinda 44 shy caring looking for a man who is sweet genuine and understanding in leinster area... Roberta - Roberta from farming community in need of some one to see nice farmer with gosh and nice smile... Ann - Ann 57 recently widowed likes the theatre and classical music seeking nice gent who likes same... Steph - lonely hot female seeks similar girl for fun... Sam - 27 looking for female companionship in a relationship but looking to have 1st time with woman... Debbie - Debbie nice body black hair brown eyes seeks girl 20-30 for a great time... Gemma - ive got curves nice long red hair and green eyes looking 4 a woman 4 possible relationship... Michelle - Michelle east wim ladies 20-40 to have nights out with... Heidi - Heidi west cork sick of men would like a nice girl to have a goodtime with... Tanya - Tanya from galway blonde nice figure 36 no ties looking for a male 35 and over can travel... Sammy - Sammy not the prettiest of beauties but i know how to show ladies i good time... Pat - Looking to meet someone for hot fun... John - Looking to meet up for fun in same area, i'm tall, and interesting so come on back... Michael - attached mid 50's midlands looking to meet lady for fun and friendship... Dave - 38 for fun, dublin area will reply to all calls... Shay - 21 from dunlin looking for girls same age for night in and out... Patrick - 51 single, shy, caring, would like to meet older female for fun times, size and looks not important... John - 49, tall medium build short black hair, attached looking for, no strings fun, looking forward to hearing from you... 0818 numbers are low call - National rates apply. 1580 calls €2.40 per min. Calls from mobiles may cost more. 57250 Msgs cost €2.50 per msg rec'd. Maximum of €10 a day & subts at 3 x €2.50 per week. Data charges may apply. To unsubscribe text STOP to 57250. You may receive promo sms in the future, to opt out text REMOVE to 57250. SP:BOC 0818 286600. Over 18's only. Po Box 10144. D2

to place your ad call: 0818 286 655 (national rate) Have your 20 word advert ready and have a pen & paper to hand as you need to note your personal pin & box no. Strictly 18+ only to listen & reply to adverts call: 1580 99 77 11 (€2.40/min) input the box number that appears below the adverts you wish to respond to and then follow the prompts online. Stay on the line to listen to similar messages from other advertisers to access your responses call: 1580 99 77 11 (€2.40/min) Have your pin and box number ready as you will need both of these to pick up your messages or change your printed advert or voice message, then follow the prompts online. Adults only. Customer support from a live operator. Call: 0818 286 600 (national rate) Monday - Friday 9 to 5, or alternatively you can email us at customercare@theblack-dog.com Men SEEKING Men \* TEXT CHAT txt: SINGLE to: 57250 Stephen - south dublin 19 year old guy looking for some fun... Mattin - 47 12 stone five eight looking to meet someone the same age... William - gay guy- early thirties would like to meet guys over 50 heavy build... Kevin - 43 living into football music and going out guys only please... John - 26 in dublin looking to meet up with some guys out there... Rob - living in co waterford - slim - interested get back... 0818 numbers are low call - National rates apply. 1580 calls €2.40 per min. Calls from mobiles may cost more. 57250 Msgs cost €2.50 per msg rec'd. Maximum of €10 a day & subts at 3 x €2.50 per week. Data charges may apply. To unsubscribe text STOP to 57250. You may receive promo sms in the future, to opt out text REMOVE to 57250. SP:BOC 0818 286600. Over 18's only. Po Box 10144. D2

# SITE NOTICE

## APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR

### THE REVIEW OF WASTE LICENCE REG. NO. W0079-01

Greenstar Ltd., Unit 6, Ballyogan Business Park, Ballyogan Road, Sandyford, Dublin 18 is applying to the Environmental Protection Agency for a review of Waste Licence Reg. No. W0079-01 in respect of its operations in the townland of Cookstown, Cookstown Industrial Estate, Tallaght, Dublin 24 which is located at National Grid References: E3082 N2283. The aims of the review are to allow for the change of the principal activity from Class 13 of the Third Schedule to Class 3 of the Fourth Schedule of the Waste Management Act 1996 to 2003; to allow for the acceptance of wastes from unknown customers including commercial enterprises and households; to allow for the external processing of metals; and to allow for the acceptance of End of Life Vehicles.

The relevant waste disposal and waste recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996 to 2003, and the Waste Management (Licensing) Regulations 2004, (S.I. No. 395 of 2004) to which this application relates are:

#### **Third Schedule – Waste Disposal Activities**

Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

#### **Fourth Schedule – Waste Recovery Activities**

*Principal Activity:*

Class 3: Recycling or reclamation of metals and metal compounds.

Class 4: Recycling or reclamation of other inorganic materials.

Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

A copy of this application for a review of a waste licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency's consideration of the application will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency at P.O. Box 3000, Johnstown Castle, Co. Wexford.

**Date:** 16<sup>th</sup> November 2009

**Signed:**

  
Jim O'Callaghan



Planning Department,  
South Dublin County Council,  
County Buildings,  
Tallaght,  
Dublin 24.

17<sup>th</sup> November 2009

RE: Review of Waste Licence Ref. No. W0079-01

Dear Sir / Madam,

We wish to notify you, on behalf of our client Greenstar Ltd, of our intention to make an application to the Environmental Protection Agency for the Review of the above referenced Waste Licence for the Materials Recovery Facility at Unit 41, Cookstown Industrial Estate, Tallaght Dublin 24, which is located at National Grid References: E 308256 N 228301.

The objective of the review is to change of the principal activity allowed under the existing licence from Class 13 of the 3<sup>rd</sup> Schedule to Class 3 of the 4<sup>th</sup> Schedule (metals recovery) and to allow the external processing of metals, the processing of End-of-life Vehicles and the acceptance of wastes from households and commercial enterprises. The relevant waste disposal and waste recovery activities, as per the Third and Fourth Schedules of the Waste Management Acts 1996 to 2008, and the Waste Management (Licensing) Regulations 2004, (S.I. No. 395 of 2004) to which this application relates will be: -

### **Third Schedule – Waste Disposal Activities**

Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

### **Fourth Schedule – Waste Recovery Activities**

*Principal Activity:*

Class 3: Recycling or reclamation of metals and metal compounds.

Cont'd...



Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

A copy of the application for a review of the waste licence and such further information relating to the application, as may be furnished to the Agency in the course of the Agency's consideration of the application will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency at Johnstown Castle, County Wexford.

Yours sincerely,

  
Michael Watson

0904818MW/MS

c.c. Mr. Malcolm Dowling Greenstar Ltd.

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## 2. ARTICLE 12 (1)

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The following is provided in compliance with Article 12(1) of the Waste Management (Licensing) Regulations, 2004.

### **Article 12 (1) (a)**

#### **Applicant Details**

Registered Office: This is the corporate headquarters.

Greenstar Ltd,  
Burton Court,  
Burton Hall Road,  
Sandyford,  
Dublin 18.

Principal Place of Business:

Unit 6,  
Ballyogan Business Park,  
Ballyogan,  
Dublin 18.

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Greenstar Ltd (Greenstar) was incorporated on the 28<sup>th</sup> April 2004 (Company Reg. No. 325120). A copy of the Certificate of Incorporation is included in Appendix 1.

The Company Directors are: -

- Mr. Neil Parkinson (CEO),
- Mr. Jerry Dempsey (Commercial Division Managing Director),
- Mr. Geoff Bailey (Processing Division Managing Director).
- Ms. Lisa Birthistle (Human Resources Director)
- Mr. Eamon Medley (Business Development Director)
- Mr. Chris Bell (Finance Director)
- Mr. Eamon Bolger (Company Secretary)

Telephone No: 01 2947900  
Fax No. 01 2947990

**Name and Address for Correspondence**

Mr. Malcolm Dowling,  
Greenstar Ltd. Group Environmental Compliance Manager,  
Unit 6,  
Ballyogan Business Park,  
Ballyogan,  
Dublin 18.

Telephone No.: 01 2947900  
Fax No.: 01 2947990  
E-mail: malcolm.dowling@greenstar.ie

**Article 12 (1)(b)**

The relevant planning authority is South Dublin County Council, County Hall, Tallaght, Dublin 24.

**Article 12 (1)(c)**

The sanitary authority is South Dublin County Council.

**Article 12 (1)(d)**

The facility is located at Unit 41, Cookstown Industrial Estate, Tallaght, Dublin 24. It is in the townland of Cookstown, at National Grid Reference: E 308256 N 228301. It is not proposed to change the licensed area. The site and all residences within a 500 m radius are shown on Drawing No. 2.

**Article 12 (1)(e)**

The facility was licensed in January 2000 to accept Commercial and Industrial (C&I) and Construction and Demolition (C&D) waste, including metals. The facility is permitted to accept up to 145,000 tonnes of waste per annum, broken down into 43,500 tonnes of C&I waste (30%) and over 100,000 tonnes of C&D waste.

Greenstar ceased waste activities at the site in 2006, transferring operations to its other Dublin based licensed Materials Recovery Facilities. Prior to this, the activities carried out included internal processing of the C&D and C&I waste. The main business focus was on the commercial sector and wastes were delivered by Greenstar collection vehicles and other permitted waste collectors. Greenstar did not accept waste from the general public.

It had been Greenstar's intention to decommission the site, surrender the licence and sell the property. Greenstar implemented a decommissioning plan and applied to surrender the licence. However, due to subsequent changes in market conditions, Greenstar decided to retain the facility.

In November 2008 Greenstar agreed to lease the facility to a metal recovery operator-Midland Scrap Metal Ltd (MSM) and following correspondence with the Agency site activities recommenced in December 2008. Current activities are confined to metal recovery and do not involve the processing of C&I or C&D wastes other than metals. It is proposed to accept and depollute ELVs.

#### **Article 12 (1)(f)**

The relevant activities as per the Third and Fourth Schedules of the Waste Management Acts 1996 - 2008 are listed below. It is proposed to change the Principal activity from Class 13 of the Third Schedule to Class 3 of the Fourth schedule.

The activities are:

#### **Third Schedule – Waste Disposal Activities**

Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

#### **Fourth Schedule – Waste Recovery Activities**

*Principal Activity:*

Class 3: Recycling or reclamation of metals and metal compounds (P).

Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

## Article 12 (1)(g)

The relevant European Waste Catalogue (EWC) Codes for the wastes proposed for acceptance are presented in Table G.1. It is not possible to list quantities for each EWC code at this stage, however the actual quantities will be reported in future AERs. The quantities of waste accepted in 2006 and 2008 are included in the AER for 2008, which is in Appendix 2.

The total quantity of wastes accepted will be 60,000 tonnes per annum, which is significantly less than the amount authorised under the current Licence. Of this, approximately 45,000 tonnes will be metals from C&I and C&D sources, approximately 10,000 tonnes will be ELVs and the remaining approximate 5,000 tonnes from individual householders (Refer to Table H.1(c)).

**Table H.1 (c) Waste Types and Quantities**

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes
Household	0	5,000	Not Applicable
Commercial	23,500	25,000	Not Applicable
Sewage Sludge			Not Applicable
Construction and Demolition	100,000	10,000	Not Applicable
Industrial Non-Hazardous Sludges			Not Applicable
Industrial Non-Hazardous Solids	20,000	20,000	Not Applicable
Hazardous *(Specify detail in Table H 1.2)		10,000	Not Applicable
Inert Waste imported for restoration purposes			

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COMPLETE FOR LANDFILL & CONTAMINATED LAND FACILITIES ONLY

**\* Table H.1.2 Hazardous Waste Types and Quantities**

HAZARDOUS WASTE	DETAILED DESCRIPTION * REFERENCE SHOULD BE MADE TO THE RELEVANT EUROPEAN WASTE CATALOGUE CODES AS PRESENTED BY COMMISSION DECISION 2000/532/EC	Tonnes Per Annum (Existing)	(Tonnes Per Annum Proposed)
Waste Oil			
Oil filters			
Asbestos			
Paint and Ink			
Batteries			
Fluorescent Light Bulbs			
Contaminated Soils			
<b>OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)</b>			
End – of – Life Vehicles	16 01 04*	0	10,000

**Table G.1 Waste Categories**

EWC
12 01 01
15 01 04
16 01 03
16 01 04*
16 01 06
16 01 17
16 01 18
16 01 20
16 02 14
16 02 16
17 02 02
17 04 01
17 04 02
17 04 03
17 04 04
17 04 05
17 04 06
17 04 07
17 04 11
20 01 36
20 01 40

**Article 12 (1)(h)**

Details on the raw and ancillary materials, substances, preparations, fuels and energy that are used at the facility, based on data from 2008, are included in Table 12(1)h.

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**Table 12(1)h: Estimate of Resources Used On-Site 2008**

Energy Stream	Annual Quantity	Units	Period	Estimate 12 Month Period
Electricity	7,000	kWh	December 2008	75,000
Heating Oil	260	Litre	December 2008	1,600
Diesel	1,800	Litre	December 2008	19,000

**Article 12 (1)(i)**

The principal activity is metals recovery. This currently involves the segregation, cutting and baling of metals prior to transfer off site for sale and it is proposed to de-pollute ELVs.

The metals are sourced from construction and demolition sites, industries that use and manufacture metal products, other waste recovery facilities, and individual householders and commercial enterprises that generate once off metal wastes. ELVs are not currently accepted,

though a dedicated de-pollution area has been constructed inside the transfer station building. It is expected that up to 60,000 tonnes of metals and ELVs will be accepted annually.

In general, all deliveries to the site are subject to rigorous inspection upon arrival to confirm that they are suitable. A fundamental difference between the former and present day activity is the nature of the transaction between the operator and transfer station customer.

Whilst formerly, the operator was paid to accept C&I or C&D material at the site, the operator now pays for all of the unprocessed scrap metal that will be accepted. The processed metal is then sold to specialist recycling facilities. This ensures that the operator is encouraged to have strict procedures in place ensuring that unsuitable materials with no commercial value are not accepted.

Large commercial users of the site are subjected to initial off-site waste characterisation. Correspondence is issued to the customer relating to the exact description of the metal material (including relevant EWC codes) prior to acceptance at the facility. A full visual inspection is carried out at the inspection area upon entry to the facility. Any non-conforming material is re-loaded onto the vehicle immediately. If further non-conforming material is subsequently found then this material is photographed and quarantined for recovery or disposal at an appropriate facility. Where the customer is identified, a relevant charge is apportioned for removal of the material in question.

For skip waste, a full visual inspection occurs at the source of collection. Contaminated material is removed prior to delivery of the material to the site. If some contaminated material is found to remain upon tipping at the facility, then this material is directed to the waste quarantine area for appropriate disposal or recovery.

Essentially waste materials are purchased from customers and waste acceptance procedures employed at the site are reflective of the necessity to ensure that only suitable i.e., fully recyclable, non hazardous metals are purchased. For example, fridges or freezers that could contain CFC's are not accepted at the facility. In a similar manner, metal that is contaminated with PCBs is not accepted. The procedures outlined above are used to ensure that the only white goods accepted are certified as 'de-polluted' and comprise washing machines from KMK Metals.

For large commercial customers, a specific procedure is in place that includes a requirement for the Sales Representative to fully explain the waste acceptance procedure and to issue the customer with a list of acceptable waste types.

In the case of a driver picking up a skip from a smaller scale customer, procedures are in place to ensure that contaminated material is not lifted. The driver, in this instance, inspects the waste prior to lifting the skip. If there is unacceptable waste in the load, the driver must contact the Recycling Manager before lifting. If there is hazardous waste in the load, the driver will not lift the load until the customer has removed the hazardous waste.

The skip load is further inspected upon delivery to the site and any unsuitable waste is photographed and removed to the quarantine area. The customer is contacted by the Environment Manager who applies the appropriate charge for handling and safe disposal/recovery at an authorised outlet. In the case of casual customers, following inspection of the load, identified hazardous waste such as PCB contaminated metal is not accepted.

It had been the intention that all of the metals accepted at the site would be off-loaded inside the transfer building for inspection and processing. However, for operational reasons, it is neither practical nor safe to off-load and inspect all of the materials inside the building. Non-ferrous metals are inspected inside the building, but ferrous metals are currently inspected, off-loaded, processed and stored, in the open paved main working yard. External processing is required due to the size of the processing equipment.

The following plant is currently used on-site: -

- 1 No. Mobile Shears Baler,
- 1 No. Non Ferrous Baler,
- 1 No. Scrap Handling Baler,
- 4 No. Handheld Cutter,
- 2 No. Fork Lift,
- 1 No. Cable Stripper.

These provide for 100% duty and 50% standby for all key plant items. Additional supporting plant items are hired in for use on-site for short periods in the event of plant breakdown.

The following is an outline of how the de-pollution of the ELV will be carried out:-

- Vehicles will be brought to site by permitted waste collectors or by MSM Recycling vehicles, which are authorised to transport ELVs;
- Vehicles will be weighed in at the weighbridge;
- Vehicle make, model, registration number and log book will be recorded where possible, taking into consideration that many vehicles are old, damaged, burnt-out etc;
- Vehicles will be stored in the ELV shed to await processing;
- Batteries will be removed and stored in UN approved battery boxes. When full these will be sent to KMK metals, or any approved facility;
- Tyres will be removed and stored on site in a manner as to minimise risk of fire. Tyres will be sent to Crumb Rubber for recovery, or any approved facility;
- The vehicles will be placed on the lifting device. The engine oil, gear oil and fuel will be removed. The Autodrain system contains the following integrally bundled storage tanks: 500 gallon tank for waste oils, 500 gallon tank for coolant, 980 litre tank for contaminated fuels, 980 litre tank for diesel and 980 litre tank for petrol. Each of these, when full, will be emptied by Enva, or any approved hazardous waste facility;
- The vehicles will be lowered and coolant and brake fluids removed. Again, these will be stored in the integrally bundled tanks as mentioned above;
- Airbags, where present, will be neutralised;
- Catalysts will be removed and sold to an approved facility;

- Oil filters will be removed, the oil will be separated out and the filters will be compressed and sent to an approved facility;
- The vehicles will then be removed from the ELV shed and crushed using a Lefort baler externally. The de-polluted ELV bales/hulks will be stored on site and exported to approved facilities in the UK mainly;
- All components and liquids removed from the vehicles will be weighed out, as will the car hulks;
- A certificate of destruction will be issued for every vehicle de-polluted and MSM Recycling will carry out all relevant reporting as required by the Agency for the National Vehicle File.

## **Ancillary Processes & Abatement Systems:**

### *Foul Water*

The changes to the site activities will not alter the existing sanitary wastewater drainage arrangements. There will be no change to the process wastewater discharges from the facility. The existing licence specifies that the drainage from the floor of the main transfer building and a vehicle wash should discharge to the municipal foul sewer. Vehicle washing is not carried out at the facility, as it is no longer required.

The current Licence specifies that run-off from the open yard areas can be discharged to a separate municipal surface water sewer. Although the metals accepted at the facility are inert, some pieces can have traces of oil on their surfaces, which present a potential risk of contamination of surface water run-off. The surface water drainage system has therefore been changed, with the approval of the Agency, to ensure that all run-off from the main working yard area passes through silt traps and a Class 2 Bypass Separator before discharge to the municipal foul sewer.

Drawing IE502-002 shows the current drainage arrangements and a description of the improvement works is presented in the IE Consulting Engineers report in Appendix 3. In addition, a surface water management maintenance schedule has been put in place to ensure regular checking, clearing and cleaning of manholes, gullies and the Bypass Separator.

### *Surface Water*

As runoff from the main process yard is now directed to the municipal foul sewer, runoff to the municipal surface water sewer is now limited to rainfall from the roof of the transfer building and the part of the site near the southern boundary, which is not used for waste activities. (Refer to Drawing IE502-002).

### *Weighbridge and Offices*

The weighbridge records all vehicle movements into and out of the site. The administration offices are block work buildings. The proposed review will not alter the existing weighbridge or administration arrangements.

## **Article 12 (1)(j)**

Compliance with Paragraphs (a) to (g) of Section 40 (4) of the Waste Management Acts 1996 2008.

### *Section 40 (4) (a)*

Details of the emissions from the facility as described in Section 12(1)(k). The emissions will not result in the contravention of any relevant standard or emission limit prescribed under enactment.

### *Section 40 (4) (b)*

The facility operations, when carried out in accordance with licence conditions, will not cause environmental pollution.

### *Section 40 (4) (c)*

The site activities and proposed amendments to the current licence conditions are based on best management practice and take into consideration the Draft BAT Guidance Note for the Waste Sector: Waste Transfer Activities, published by the EPA. The proposed activity is consistent with the local waste management plan and will not prejudice measures taken or to be taken by the South Dublin County Council for the purpose of the implementation of any such plan.

### *Section 40 (4) (d)*

A Copy of the Certificate of Incorporation of Greenstar Ltd. is included in Appendix 1. The relevant section of the published accounts for Greenstar Ltd for the year ending 2008 is included in Appendix 1.

Greenstar Ltd. was convicted in Wexford District court in September 2008 for collecting waste in contravention of the terms of their Waste Collection Permit contrary to Section 34(1) of the Waste Management Act, 1996 as amended. Greenstar was fined €400 for the offence which related to collecting both recyclable waste and residual waste bags in one truck at a location in Rosslare Strand in August 2007.

Facility personnel with responsibility for the management of the waste activities have completed the relevant modules of the FAS waste management training course. Details of the levels of training and experience of the current site management are presented in the 2008 AER, which is in Appendix 2.

*Section 40 (4) (e)*

Greenstar has accrued over €3,000,000 in funds, to provide for any potential environmental liabilities. Greenstar has adequate insurance cover for environmental liabilities to €6,350,000 for any one occurrence, which will apply to “sudden identifiable and unintended incidents”.

*Section 40 (4) (f)*

Energy will be used efficiently in the carrying on of the activity. An Energy Audit will be carried out in 2009 to devise ways to reduce energy use at the facility.

*Section 40 (4) (g)*

Noise from the activity concerned will comply with and will not result in the contravention of any regulations under Section 106 of the Act of 1992.

**Article 12(1)(k)**

Particulars of the source location, nature, composition, quantity, level and rate of emissions arising from the activity and the periods during which such emissions are made are presented here.

Actual and potential emissions from facility operations include surface water, foul water, dust and noise. The monitoring programme specified in the Licence includes foul water, dust and noise monitoring.

**Surface Water Monitoring**

The current Licence does not require surface water monitoring, however in Q2 2005 Greenstar proposed, following consultation with the Agency, to conduct weekly surface water monitoring at the final discharge point to the storm drain.

In Q4 2005 the Agency allowed Greenstar to reduce the frequency from weekly to monthly and revised the suite of analytical parameters. From Q4 2005 the range of analysis included ammoniacal nitrogen, total suspended solids, COD and Oils, Fats, Grease. The results for 2006 are shown on Table 1.

The discharge was rainfall dependant and it was not always possible to collect a sample, especially after April 2006 when the facility closed as there were no Greenstar personnel on site. The results show a significant improvement in the quality of the discharge following the cessation of activities.

**Table 1 Surface Water Monitoring Results 2006**

Parameter	Units	SW-1 March 2006	SW-1 August 2006
Oils, Fats Grease	mg/l	1	<1
COD	mg/l	140	<15
TSS	mg/l	3580	<1
Ammoniacal Nitrogen	mg/l	4.2	0.6

Surface water monitoring was carried out on the 18<sup>th</sup> May 2009 on the discharge from the facility to the municipal surface water sewer and before the drainage system was altered to connect to the foul sewer. This includes rainfall run off from the roofs and the southern area of the site, which is not used for waste activities. The parameters list was expanded to include pH, BOD, Mineral Oil and Electrical Conductivity. The results are summarised in Table 2 and the laboratory report is included in Appendix 4.

Table 2 includes, for comparison purposes, emission limit values set in other Waste Licences. Although the total suspended solids limit was higher than the typical limit, the overall quality of the discharge was relatively good. The cause of the elevated suspended solids was dust on the paved yards, although it may have been contributed to by disturbance of sediment in the sample chamber while sampling.

**Table 2 Surface Water Monitoring Results May 2009**

Parameter	Units	SW-1	ELV/Trigger Level Set in Standard Licence
pH	pH Units	8.23	
Ammoniacal Nitrogen	N mg/l	0.17	
BOD	mg/l	5	25
COD	mg/l	39	
Total Suspended Solids	mg/l	114	35
Oils, Fats & Greases	mg/l	<0.01	
Mineral Oils	mg/l	<0.01	5
Conductivity	mS/cm	0.597	

## Foul Water Monitoring

### *Prior to Site Drainage Upgrade*

The Licence requires quarterly foul water sampling at two sampling locations E-1 and E-3. Wastewater monitoring resumed in Q1 2009. The range of analysis was as specified in Schedule C.2 of the Waste Licence and included pH, temperature, ammoniacal nitrogen, biochemical oxygen demand, chemical oxygen demand, total suspended solids, oils, fats and greases, surfactants and sulphate. The results are summarised in Table 3 and all the parameters complied with the Emission Limit Values.

**Table 3 Foul Water Monitoring Results – February 2009**

Parameter	Units	E1	E3	Waste Licence
				No. W0079-01
				Emission Limit Value
pH	pH Units	7.44	7.36	6 to 10
Temperature	°C	3.4	3.9	42°C
Ammoniacal Nitrogen	N mg/l	2.20	0.50	70
BOD	mg/l	7	9	2,000
COD	mg/l	85	44	4,000
Total Suspended Solids	mg/l	97	40	700
Oils, Fats & Greases	mg/l	2.126	3.319	100
Surfactants	mg/l	0.7	0.8	100
Sulphate	mg/l	32.26	32.37	1000

Following the upgrade to the drainage system, foul water samples were collected on the 18<sup>th</sup> May 2009 and 3<sup>rd</sup> September 2009, at the location shown on Drawing 3. The discharge incorporates the runoff from the floor of the transfer station building and rainfall runoff from the open yard where processing is carried out. The results are summarised on Table 4 and the laboratory report is included in Appendix 4. The levels detected were all significantly less than the Emission Limit Values.

**Table 4 Foul water Monitoring Results – May 2009**

Parameter	Units	SE1	SE-1	Waste Licence
		May 2009	September 2009	No. W0079-01
		Emission Limit Value		
pH	pH Units	8.26	7.81	6 – 10
Ammoniacal Nitrogen	N mg/l	1.78	13.5	70
BOD	mg/l	65	2.37	2,000
COD	mg/l	350	43	4,000
Total Suspended Solids	mg/l	122	201	700
Oils, Fats & Greases	mg/l	4.027	41	100
Surfactants	mg/l	3.4	0.237	100
Sulphate	mg/l	299.72	0.5	1,000
Mineral Oils	mg/l	0.201	142.90	
Conductivity	mS/cm	2.06	<0.01	

## Noise Monitoring

Noise monitoring was carried out within the site boundary bi-annually since the Licence was issued in 2000 until the facility closed in 2005. There are no noise emission limit values specified in the Licence with the exception of tonal noises at the facility boundary and there is no requirement to monitor at off site noise sensitive locations. This reflects the Agency's monitoring requirements at the time the Licence was issued in 2002 and which has

subsequently changed to focus on the impacts on noise sensitive locations rather than a facility boundary.

The results of the noise monitoring completed in 2005, before the facility closed, are presented in Tables 5 and 6. The surveys identified significant offsite sources of noise, which is to be expected in such an industrially and commercially developed area.

The surveys concluded that although the noise levels had a tonal component recorded at the site boundary there was no impact on the nearest noise sensitive location which is Tallaght Hospital, approximately 200m from the facility boundary.

Since activities restarted, three noise surveys have been carried out (December 2008, February 2009 and August 2009). The surveys included both the site boundary locations specified in the licence and the nearest noise sensitive location (Tallaght Hospital). Copies of all three reports are included in Appendix 5 and are summarised in Tables 7, 8 and 9.

The monitoring confirmed that noise levels from the current activities are not a cause of nuisance at the nearest noise sensitive location. The monitoring has also shown that the existing noise levels at the site boundary locations are generally lower than those recorded in 2005. The monitoring confirms significant offsite sources of noise and shows that the existing noise environment is typical of commercial/industrial areas. No complaints in relation to noise have been received at the facility since the recommencement of activities.

**Table 5 Noise Monitoring Results February 2005**

MONITORING LOCATION	SURVEY DATE	L <sub>Aeq,30 mins</sub> dB(A)	L <sub>A90,30 mins</sub> dB(A)	L <sub>A10,30 mins</sub> dB(A)	DESCRIPTION OF SOURCES
N1	03/02/05	60.1	61.0	54.7	Traffic from the adjacent road, Engine noise from the garage. An angle grinder. A scooter. Distant police siren and occasional aircraft.
N2	03/02/05	63.5	68.9	59.0	Traffic and an intermittent angle grinder in the garage. Employee voices, a distant car alarm, occasional reversing alarms and aircraft.
N3	03/02/05	68.9	66.8	58.0	An extraction fan belonging to neighbouring premises. Occasional aircraft and infrequent reversing alarms
N4	03/02/05	78.3	87.3	70.6	Intermittent angle grinder noise, occasional aircraft, occasional skip lorries on site, traffic from neighbouring road, and a power washer being used in the garage
N5	03/02/05	77.3	84.5	70.1	Extraction fan belonging to the neighbouring premises. Occasional aircraft, angle grinder in the garage and occasional skip lorries.

**NOTE:** [1] Observed weather conditions during day-time monitoring were as follows; 13/07/2004:  
Weather: Mild, dry with low humidity, South-westerly breeze of velocity 0-1m/s.

**Table 6 Noise monitoring Results September 2005**

MONITORING LOCATION	SURVEY DATE	L <sub>Aeq,30</sub> mins	L <sub>A90,30</sub> mins	L <sub>A10,30</sub> mins	DESCRIPTION OF SOURCES
N1	16/09/05 13:15	58	50	62	Generator noise from adjacent premises. Lorries unloading. Reversing alarms. Noise of waste movement and handling from facility building. Site and non-site related traffic on access road. Occasional aircraft.
N2	16/09/05 12:40	68	59	70	Lorries unloading. Noise of waste movement and handling from facility building. Reversing alarms. Unrelated traffic on access road. Occasional aircraft.
N3	16/09/05 10:52	73	58	73	Lorries unloading. Noise of waste movement and handling from facility building Reversing alarms. Occasional aircraft.
N4	16/09/05 12:04	78	73	81	Truck engine idling nearby. Skip lorries unloading. Reversing alarms.
N5	16/09/05 11:29	76	68	80	Lorries unloading. Noise of waste movement and handling from facility building Reversing alarms. Occasional aircraft.

**NOTE:** [1] Observed weather conditions during day-time monitoring were as follows; 09/11/2004:  
Weather: Mild, dry and cloudy, South-westerly breeze of velocity 2-3m/s

**Table 7 Noise Monitoring Results December 2008**

Station	Time	L <sub>Aeq,30</sub> min dB	L <sub>AF10,30</sub> min dB	L <sub>AF90,30</sub> min dB	Noise audible
N1	1331-1401	69	71	52	Grab operating from 1333-1345, following truck arrival at 1330. No other emissions audible over grab. From 1345, emissions dominated by movement of intermittent forklift truck, telescopic loader and van onsite near SW corner. Also emissions from waste management activities in shed near SW corner. Offsite emissions chiefly from local and distant traffic. Grab and baler-shears restarted 1357, and dominant until end of interval.
N2	1410-1440	65	67	52	Grab & baler-shears dominant until shut off at 1412, and again after start up at 1427. In between, noise audible from intermittent forklift truck onsite. Offsite emissions chiefly from local and distant traffic.
N3	1112-1142	69	71	64	Grab and baler-shears machine in continuous use at NE corner and dominant. No other noise audible.
N4	1243-1313	67	60-63*	45-48*	Located 1 m from corner due to safety considerations, thus 6 dB correction included to correct for near field interference from two facades. Grab and baler-shears not operating. 1247-1252: Skip lorry tipping metal in sorting area. Emissions audible at low level from manual handling of waste and sporadic vehicle movements onsite. Intermittent traffic movements on industrial estate road outside entrance audible. Continuous emissions audible from air handling unit at premises to N. Emissions from other sources throughout surrounding industrial estate also audible continuously, including traffic, hammering, saws/grinders and horns. Aircraft.
N5	1210-1240	59	59	52	Grab and baler-shears machine dominant until shut off at 1215. Thereafter, emissions audible at low level from manual handling of waste and sporadic vehicle movements onsite. Offsite noise sources audible as described at N4.
NSL1	1520-1550	58	60	51	No site emissions discernible among all surrounding sources audible, including local traffic, distant traffic, pedestrians, aircraft and emissions from surrounding commercial premises such as reversing alarms.

\*6 dB correction cannot be applied to L<sub>AF10</sub> and L<sub>AF90</sub> values as these are statistical parameters. Corrected values presented are estimates.

**Table 8 Noise Monitoring Results February 2009**

Station	Time	L <sub>Aeq 30</sub> min dB	L <sub>AF10 30</sub> min dB	L <sub>AF90 30</sub> min dB	Noise audible
N1	1107-1137	56	59	51	Plant noise continuously audible at site: forklift truck, baler-shears machine, grabs x2, trucks. Noise emissions from across industrial estate continuously audible in background. Sporadic traffic on adjacent roadway. Consaw in distance clearly audible.
N2	1032-1102	62	65	52	Emissions from various sources onsite audible until 1045: forklift truck, mobile lift platform and trucks. Grab and baler-shears machine restarted 1045 and dominant thereafter. Wheeled grab manoeuvring near N2 1044-1048 intrusive. Sporadic traffic on adjacent roadway. Distant emissions from across industrial estate audible in background. Emissions from consaw in distance significant. Passing helicopter x1.
N3	0853-0923	76	78	61	Emissions from mobile generator and mobile platform lift associated with adjacent construction works continuously dominant until shut off at 0910. Thereafter grab and baler-shears machine dominant. No other noise audible.
N4	0957-1027	83	85-91*	48-54*	Located 1 m from corner due to safety considerations, thus <b>6 dB correction included</b> to correct for near field interference from two facades. A 9 dB correction may arguably apply. Sound level meter 2 m from baler-shears machine engine, so engine continuously dominant until shut off at 1015. Thereafter emissions audible from manoeuvring forklift truck. Emissions from truck manoeuvring, tipping metal and dropping skip 1020-1025 significant. Offsite AHU emissions from nearby premises audible in background.
N5	0925-0955	73	74	71	Grab and baler-shears machine continuously dominant. Forklift truck audible moving around yard.
NSL1	1144-1214	57	60	48	No emissions specifically discernable from facility. Local noise environment dominated by almost continuous traffic within and on roadway to hospital. Also pedestrians. Distant emissions of varying character arising from across the industrial estate.

\*6 dB correction cannot be applied to L<sub>AF10</sub> and L<sub>AF90</sub> values as these are statistical parameters. Corrected values presented are estimates.

**Table 9 Noise Monitoring Results August 2009**

Station	Time	L <sub>Aeq 30</sub> min dB	L <sub>AF10 30</sub> min dB	L <sub>AF90 30</sub> min dB	Noise audible
N1	1119-1149	59	63	50	Power cutting tool in site yard in intermittent use and dominant. Grab and BS machine in NE corner also audible. Offsite, sporadic vehicle movements on industrial estate access road audible.
N2	1010-1040	64	66	48	No emissions onsite until 1015 when operations gradually recommenced. Site fully operational by 1020, from which grab and BS machine manipulating metal at NE corner dominant.
N3	1043-1113	88	93*	82*	Located 1 m from corner due to safety considerations, thus <b>6 dB correction included</b> to correct for near field interference from two facades. A 9 dB correction may arguably apply. BS machine immediately adjacent to SLM dominant continuously. Grab loading metal into machine also audible. Both machines shut down from 1106, following which grab manipulating metal at NE corner dominant.
N4	0906-0936	81	84*	77*	Located 1 m from corner due to safety considerations, thus <b>6 dB correction included</b> to correct for near field interference from two facades. A 9 dB correction may arguably apply. BS machine continuously dominant. Grab loading metal also audible. No other emissions audible.
N5	0938-1008	77	81	52	Grabs manipulating metal at NE and at NW corners dominant. BS machines also audible. Mobile plant audible when passing close to SLM. No offsite emissions audible. Site quietening down from 0955, until complete silence at 1000, after which one offsite source dominant: FLT at adjacent premises.
NSL1	1159-1229	53	55	46	No emissions specifically audible from facility, although noise audible at low level from several surrounding commercial premises. Local traffic movements frequent and dominant. Also pedestrian voices. Continuous whine audible from road sweeper truck in distance. Aircraft.

## Dust Monitoring

The dust monitoring, which was carried out monthly since operations began in 2000, identified elevated dust deposition levels on a regular basis. Although waste operations stopped in April 2006, the dust monitoring programme (Table 10) continued until January 2007. This identified elevated dust levels at the monitoring locations, which indicates that the exceedances were probably attributable to off-site dust sources within the industrial estate.

**Table 10 Non-Operational Dust Monitoring Results – Greenstar Ltd. – Tallaght W0079-01**

Sample Location	May 2006	June 2006	July 2006	Aug 2006	Sept 2006	Oct 2006	Nov 2006	Dec 2006	Jan 2007	Deposition Limit (mg/m <sup>2</sup> /day)
D1	352	200	N/A	172	328	182	201	185	246	350
D2	516	288	N/A	149	265	77	158	228	112	350
D3	697	811	N/A	189	857	138	142	375	*	350

N/A – Not available

\* – Gauge Vandalised

Since the recommencement of activities dust monitoring was carried out in January, February, March, April, May, June, July and August 2009 at the three on-site locations (D1, D2 and D3). The results are summarised in Table 11.

**Table 11 Dust Monitoring Results**

Monitoring Location	Units	Jan 2009	Feb 2009	Mar 2009	Apr 2009	May 2009	June 2009	July 2009	Aug 2009	Sep 2009	Deposition Limit Value
D1	mg/m <sup>2</sup> /day	134	91	264	261	245	229	92	70	70	350
D2	mg/m <sup>2</sup> /day	601	270	672	733	770	617	545	180	115	350
D3	mg/m <sup>2</sup> /day	100	111	182	203	271	194	82	52	52	350

The dust deposition limit was exceeded at one monitoring location (D2), which is on the northern boundary of the facility in January, March, April, May, June and July 2009 (601 mg/m<sup>2</sup>/day, 672 mg/m<sup>2</sup>/day, 733 mg/m<sup>2</sup>/day, 770 mg/m<sup>2</sup>/day, 617 mg/m<sup>2</sup>/day and 545 mg/m<sup>2</sup>/day respectively). Following the implementation of dust mitigation measures including the use of a road sweeper the results for August and September at D2 have improved. The results for the other two locations (D1 and D3) were below the deposition limit in all monitoring events.

As described above, a significant percentage of the dust deposition recorded is likely to be from offsite sources in the surrounding industrial estate. It is not considered that the neighbouring commercial activities are particularly sensitive to dust and no complaints in relation to dust have been received since the recommencement of operations.

### Article 12 (1)(l)

An assessment of the effects of emissions from the facility resulting from the proposed amendments to the current Licence and of proposed measures to prevent or eliminate or, where

that is not practicable, to limit or abate such emissions, is presented here. Existing control of environmental emissions at the facility are BAT.

### *Surface Water*

The volume of surface water discharged to the municipal surface water sewer has been reduced, as a large portion of the open yard area is now directed to the municipal foul sewer. The diversion of the run-off to the sewer was carried out to comply with the Agency's requirements and given that vehicle washing and floor washing is no longer carried out there should not be any significant change to volumes discharged to sewer. The discharge to the surface water sewer is now limited to rainfall on the building roofs roof and a part of the site along the southern boundary.

The current Licence does not require surface water monitoring, however it is proposed to carry out monitoring quarterly. In addition, a surface water management maintenance schedule has been put in place to ensure regular checking, clearing and cleaning of manholes, gullies etc.

The change in site activities and the drainage system has significantly reduced the potential for surface water contamination.

### *Foul Sewer*

The current Licence allows drainage from the floor of the main transfer building and a vehicle wash to discharge to the municipal foul sewer. Vehicle washing is no longer carried out and runoff from the main process yard area has been directed to the foul sewer. Monitoring has confirmed that the discharge complies with the Emission Limit Values.

A surface water management maintenance schedule has been put in place to ensure regular checking, clearing and cleaning of manholes, gullies and the Bypass Separator. It is considered likely that the quality of the discharge to the sewer will improve due to the change in operations and that the volumes will be within the limits set in the existing licence. The change in drainage arrangements will therefore have, at worst, an imperceptible impact on the sewer and may potentially have a positive impact.

### *Dust*

It is considered likely that the operations will have an imperceptible impact on dust levels in the vicinity of the facility. Monitoring carried out while the facility was closed identified off site sources of dust contributing to elevated levels measured on-site. The site is located in a industrial area and the sensitivity of adjoining lots in the industrial estate to dust impacts is limited.

The facility implements dust suppression measures including yard cleaning and damping down the yard in dry weather conditions.

## Noise

Noise monitoring carried out following the recommencement of activities has shown that noise levels are not impacting on the nearest noise sensitive location, Tallaght Hospital. There are no other noise sensitive locations as defined by the Agency within 400m of the facility. The current noise levels are also generally lower at the site boundary than when before the site closed in 2006.

The development will have an imperceptible impact on noise sensitive locations.

### **Article 12 (1)(m)**

It is proposed to expand the monitoring programme to include for surface water monitoring quarterly and to specifically include for noise monitoring at the nearest noise sensitive location. The proposed monitoring locations are shown on Drawing 3.

### **Article 12 (1)(n)**

Waste oils generated during plant, vehicle maintenance and de-pollution of ELVs will be collected and sent off-site for recovery.

### **Article 12 (1)(o)**

The facility will generate small volumes of office and canteen wastes associated with the employees. The operator will operate a source segregation policy to maximise the recovery of potential recyclables from the office/canteen waste. All recovered materials will be transferred off-site to Agency or Local Authority approved and licensed/permited recovery/recycling facilities.

### **Article 12 (1)(p)**

The existing measures, including emergency procedures, to prevent unauthorised or unexpected emissions and minimise the impact on the environment are described here.

The facility has various procedures in place to ensure that management of site activities complies with regulatory requirements and best practice. These include an Environmental Management System (EMS) which includes an Emergency Response Procedure, which sets out the steps to be taken in the event of an incident at the facility with the potential to cause environmental damage. Greenstar also implements a comprehensive monitoring programme which will highlight any potential environmental incidents with the potential to cause environmental damage.

#### **Article 12 (1)(q)**

The proposed amendments to the current licence will not impact on the measures for the closure, remediation and aftercare of the facility as regulated by Condition 8 of the current licence.

#### **Article 12 (1)(r)**

Not applicable as the activity is not a landfill.

#### **Article 12 (1)(s)**

The activity is not an activity to which the European Communities (Major Accident Hazards of Certain Activities) Regulations, 2006 (S.I. No. 174 of 2006) apply.

#### **Article 12 (1)(t)**

The activity is not one that gives rise or could give rise to an emission into an aquifer containing List 1 and II substances specified in the Annex to the Council Directive 80/68/EEC of 17 December 1979.

#### **Article 12(l)(u)**

A non-technical summary of the information provided in accordance with Paragraphs (a) to (t) of Article 12 (1) is in Section 6 of this application.

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### 3. ARTICLE 12 (3)(a)

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The relevant conditions of the current licence that are the subject of the review and grounds for the application are, as required by Article 12 (3) (a) of the 2004 Regulations, as follows: -

*Condition 5.4 states that waste shall only be accepted from known customers or from new customers subject to an initial off-site characterisation of the wastes.*

#### Reasoning

The intention of this Condition was to reduce the potential for the delivery of unsuitable wastes. The changes to site activity have necessitated changes to waste acceptance procedures now employed at the site.

Prior to the temporary closure in 2006, the facility was primarily involved in processing C&D and C&I waste. The principal activity was storage pending to transport to offsite facilities. The only waste types now accepted are metals arising from these sectors. The principal activity is now metals recovery and this operation involves the segregation, cutting and baling of material prior to transfer off-site for sale. It is proposed to de-pollute ELVs.

In general, all deliveries to the site are subject to rigorous inspection upon arrival to confirm that they are suitable. A fundamental difference between the former and present day activity is the nature of the transaction between the operator and transfer station customer. Whilst formerly, the operator was paid to accept C&I or C&D material at the site, the operator now pays for all of the unprocessed scrap metal that he accepts. The processed metal is then sold to specialist recycling facilities. This ensures that the operator is encouraged to have strict procedures in place ensuring that unsuitable materials with no commercial value are not accepted.

#### Proposed

Greenstar requests that this Condition be amended to remove the requirement for the initial off site characterisation of wastes from unknown customers.

There are three types of user associated with the site; large commercial users, skip collections and casual users.

Large commercial users of the site are subjected to initial off-site waste characterisation. Correspondence is issued to the customer relating to the exact description of the metal material (including relevant EWC codes) prior to acceptance at the facility. A full visual inspection is carried out at the tipping face upon entry to the facility. Any non-conforming

material is re-loaded onto the vehicle immediately. If further non-conforming material is subsequently found then this material is photographed and quarantined for recovery or disposal at an appropriate facility. Where the customer is identified, a relevant charge is apportioned for removal of the material in question.

For skip waste, a full visual inspection occurs at the source of collection. Contaminated material is removed prior to delivery of the material to the site. If some contaminated material is found to remain upon tipping at the facility, then this material is directed to the waste quarantine area for appropriate disposal or recovery.

A notice is erected at the entrance to the facility highlighting what is permissible for acceptance at the facility. Upon entry to the facility, a full visual inspection at the tipping face is carried out by operatives. Any material that does not conform to acceptable material is immediately returned to the customer.

Essentially waste materials are purchased from customers and waste acceptance procedures employed at the site are reflective of the necessity to ensure that only suitable i.e., fully recyclable, non hazardous metals are purchased. For example, fridges or freezers that could contain CFC's are not accepted at the facility. The procedures outlined above are used to ensure that the only white goods accepted are certified as 'de-polluted' and comprise washing machines from KMK Metals.

In a similar manner, metal that is contaminated with PCBs is not accepted. For large commercial customers, a specific procedure is in place that includes a requirement for the Sales Representative to fully explain the waste acceptance procedure and to issue the customer with a list of acceptable waste types.

In the case of a driver picking up a skip from a smaller scale customer, a procedure is in place to ensure that contaminated material is not lifted. The driver in this instance inspects the waste prior to lifting the skip. If there is unacceptable waste in the load, the driver must contact the Recycling Manager before lifting. If there is hazardous waste in the load, the driver will not lift the load until the customer has removed the hazardous waste.

The skip load is further inspected upon delivery to the site and any unacceptable waste is photographed and removed to the quarantine area. The customer is contacted by the Environment Manager who applies the appropriate charge for handling and safe disposal/recovery at an authorised outlet. In the case of casual customers, following inspection of the load, identified hazardous waste such as PCB contaminated metal is not accepted.

*Condition 5.5 is linked to Condition 5.4 and stipulates that wastes accepted shall be off-loaded inside the transfer building for inspection and that only following inspection and assessment shall the waste be processed.*

## Reasoning

The intention of this Condition is to ensure that only suitable wastes are accepted. As referred to above, the inspection procedures applied minimises the risk of acceptance of the unsuitable materials. Furthermore given the nature of the inspection and waste acceptance procedures as shown above, it is considered no longer necessary to inspect all of the materials inside the building.

## Proposed

Greenstar requests that this Condition be amended to require the inspection of all arriving wastes in accordance with procedures agreed with the Agency.

It had been the intention that all of the metals accepted at the site would be off-loaded inside the transfer building for inspection and processing. However, for operational reasons, it is neither practical nor safe to off-load and inspect all of the materials inside the building. Non-ferrous metals are inspected inside the building, but ferrous metals are currently inspected, off-loaded, processed and stored, in the open paved main working yard. External processing is required due to the size of the processing equipment.

*Condition 5.10 is linked to Conditions 5.4 and 5.5 and stipulates that there shall be no casual access to the site and that scavenging shall not be permitted.*

## Reasoning

The intention of this Condition was again to reduce the potential for delivery of unsuitable waste and to prevent members of the general public from accessing the site for the purpose of removing wastes.

As referred to above the inspection procedures applied minimises the risk of acceptance of the unsuitable materials. Given that all the materials accepted have a commercial value, comprehensive security measures are in place to prevent unauthorised entry. However Condition 5.10 prevents individual householders and commercial enterprises, who produce scrap metal wastes on once-off occasions, for example in building renovation, from delivering the materials directly to the site.

## Proposed

Greenstar requests that this Condition be amended to allow individual householders and commercial enterprises to deliver wastes to the facility.

*Condition 5.8 stipulates that with the exception of metals, wood or other dry materials in trailers/skips/containers no other wastes shall be placed or allowed accumulate outside the transfer building, unless agreed in advance with the Agency.*

## Reasoning

The intention of this Condition is primarily to minimise the potential for litter and the attraction to the site of birds and vermin and was based on the nature of waste accepted at the site in 2000. The metals stored and processed in the paved Main Yard are inert and are neither a source of litter nor attractive to birds and vermin. Some of the metals can have slight surface oil contamination, which present a potential risk of surface water contamination. The improvements to the surface water drainage system will effectively mitigate the risk of surface water contamination.

## Proposed

Greenstar request that this condition be amended to allow the external processing of metals in the paved open yards. In 2009, with the agreement of the Agency, Greenstar upgraded the surface water and foul water drainage system at the facility. Surface water runoff from the main process areas is now redirected to the foul drainage system via a Class 2 Bypass separator. Surface water discharges are therefore limited to roof water from the transfer station buildings and yard runoff from a portion of the southern section of the site not used for waste activities.

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## 4. ARTICLE 12 (4)

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### Article 12 (4)(a)

A copy of the relevant page of the newspaper in which the notice in accordance with Article 6 has been published is included in Section 1 of this application.

### Article 12 (4)(b)

A copy of the text of the notice erected in accordance with Article 7 is included in Section 1 of this application.

### Article 12(4)(c)

A copy of the letter given to the planning authority is included in Section 1 of this application.

### Article 12(4)(d)

The position of the notice in accordance with Article 7 is shown on Drawing No. 4. The points at which monitoring and sampling are undertaken are shown on Drawing No. 3.

### Article 12(4)(e)

The fee for the review of the waste licence, €16,000, as specified in Article 41(3) and the Second Schedule of the Waste Management (Licensing) Regulations 2004, is enclosed. The fee includes for: -

#### 4. The Recovery of Waste

3.2 The disposal of waste (other than hazardous waste) at a facility (other than a landfill facility) where the annual intake is likely to exceed 25,000 tonnes but be less than 100,000 tonnes.

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## 5. ARTICLE 13 (1)

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An EIS is not required.

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## 6. NON TECHNICAL SUMMARY

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This non-technical summary contains the information specified in Article 12 (1) (u) of the Waste Management (Licensing) Regulations, 2004 (S.I. No. 395 of 2004).

Articles 12 (1) (a) to (d)

Greenstar Ltd. (Greenstar) Unit 6, Ballyogan Business Park, Ballyogan Road, Sandyford, Dublin 18 is applying to the Environmental Protection Agency (EPA) for a review of Waste Licence W0079-01 at Cookstown Industrial Estate Tallaght Dublin 24.

The purpose of the review is to allow for the change of the principal activity from storage of waste to metals recovery, to allow for the acceptance of metal wastes arising from commercial enterprise and households, to allow for processing and storage of metals outside the building and to allow for the recycling of scrap cars and vans. South Dublin County Council is the relevant sanitary authority.

### **Compliance with Requirements of the Waste Management Act 1996 to 2003**

Best Available Techniques (BAT) will be used to prevent, eliminate or, where this is not possible reduce to a minimum the impact of site activities on the environment.

### **Article 12 (1) (e) Nature of the Facility**

The current Licence, which was issued in January 2000, allowed the operator to accept Commercial and Industrial (C&I) and Construction and Demolition (C&D) waste, including metals. Up to 145,000 tonnes of waste can be accepted annually, broken down into 43,500 tonnes of C&I waste and over 100,000 tonnes of C&D waste.

In 2006, it had been Greenstar's intention to close the site and surrender the Licence. However, due to subsequent changes in market conditions, Greenstar decided to retain the facility. In November 2008 Greenstar agreed to lease the facility to a scrap metal operator-Midland Scrap Metal Ltd (MSM), who started working at the site in December 2008. Only metal wastes are taken in at the site and it is not proposed to take the other wastes authorised under the current licence. It is intended to take scrap cars and vans.

## **Article 12 (1) (f) Classes of Activity**

The relevant activities as per the Fourth Schedule of the Waste Management Acts 1996 – 2003 will be as follows: -

### **Third Schedule – Waste Disposal Activities**

Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

### **Fourth Schedule – Waste Recovery Activities**

*Principal Activity:*

Class 3: Recycling or reclamation of metals and metal compounds (P).

Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

## **Article 12 (1) (g) Quantity and Nature of the Waste to be Recovered or Disposed**

<b>WASTE TYPE</b>	<b>TONNES PER ANNUM (existing)</b>	<b>TONNES PER ANNUM (proposed)</b>
<b>Household</b>	0	5,000
<b>Commercial</b>	23,500	25,000
<b>Sewage Sludge</b>		
<b>Construction and Demolition</b>	100,000	10,000
<b>Industrial Non-Hazardous Sludges</b>		
<b>Industrial Non-Hazardous Solids</b>	20,000	10,000
<b>Hazardous (End of Life Vehicles)</b>		10,000

**Article 12 (1) (h) Raw and Ancillary Materials, Substances, Preparations, Fuels & Energy used on the Site**

**Table 12(1)h: Estimate of Resources Used On-Site 2008**

<b>Energy Stream</b>	<b>Annual Quantity</b>	<b>Units</b>	<b>Period</b>	<b>Estimate 12 Month Period</b>
Electricity	7,000	kWh	December 2008	75,000
Heating Oil	260	Litre	December 2008	1,600
Diesel	1,800	Litre	December 2008	19,000

**Article 12 (1) (i) Plant, Methods, Processes, Abatement, Recovery, Treatment and Operating Procedures**

The principal activity is metals recovery, which involves separating the metals into the different types, cutting and baling and then sending the bales to overseas smelters. It is proposed to de-pollute scrap vehicles which will involve taking out the batteries, hydraulic and lubricating oils, coolants and petrol/diesel and then crushing the vehicle.

The metals come from construction and demolition sites, industries that make and use metal products, other waste recovery facilities, and households and businesses. All deliveries are thoroughly inspected to make sure that unsuitable wastes are not accepted. As the operator pays for all of the materials he takes in it is in his interest to only take materials that he can sell on. Any unsuitable materials that are found are sent to the appropriate disposal site and the person who produced it is billed for the disposal cost.

It had been the intention that all of the metals would be handled inside the main building, but this cannot be done safely due to the size of the processing equipment and therefore some metals are processed outside the building. The scrap vehicles will be cleaned out and crushed inside the building. The equipment used includes a shears, baler cutters, cable stripper and fork lifts.

**Article 12 (1) (j) Information Related to Section 40(4) (a) to (g) of the Waste Management Act**

Emissions from the facility, including noise, will not contravene any relevant standard or emission limit set in the current legislation, nor will they cause environmental pollution. The activity is consistent with the Dublin Region Waste Management Plan and operations are based on guidance published by the Agency.

The Facility Manager and Deputy will complete appropriate training programmes for example the FAS Waste Management Training Programme.

Energy will be used efficiently and measures will be taken to prevent accidents that could impact on the environment. If the site has to close, the closure will be done in accordance with a Plan agreed with the Agency to ensure that pollution is avoided.

### **Article 12 (1) (k) Source, Location, Nature, Composition, Quantity, Level and Rate of Emissions**

Actual and potential emissions to the environment include surface water, foul water, dust and noise. The monitoring programme specified in the Licence includes foul water, dust and noise monitoring and in addition monitoring of surface water run-off was carried out in May 2009.

#### **Surface Water/ Foul Water**

The surface water drainage system has been changed to redirect rain fall in the open yard where the metal is handled to the foul sewer. An oil interceptor has been installed on this drain. The only rainwater that now goes to the surface water sewer is from the roofs and the section of the yard not used for metal handling. The surface water monitoring in May 2009 found that the water entering the surface water sewer was generally of good quality, although the amount of sediment was higher than expected.

The discharge to foul sewer includes the runoff from the floor of the building and rainwater from the section of the open yard where metal is handled. The monitoring carried out in May and September 2009 confirmed that the quality of the discharge complied with the Licence requirements.

#### **Noise**

Noise monitoring has been carried out within the site boundary bi-annually since the Licence was issued in 2000. The nearest noise sensitive location is Tallaght Hospital, which is approximately 200m away and was unlikely to have been affected by the noise from the site.

Since the site reopened, three noise monitoring surveys have been carried out. These included both the site boundary locations specified in the Licence and Tallaght Hospital. The surveys were completed in December 2008 and again in February and May 2009.

The monitoring confirmed that noise levels from the current activities are not a cause of nuisance at the Hospital. The monitoring has also shown that the existing noise levels at the site boundary locations are generally lower than those recorded in 2005 and that there are significant offsite sources of noise, which is not unexpected given the commercial and industrial nature of the surrounding area. The site has not received any complaints about noise since it re-opened.

## Dust

Dust monitoring has been carried out monthly from the time the Licence was issued in 2000. The monitoring identified that dust deposition levels regularly exceeded the limits set in the Licence. The site closed in April 2006 and the monitoring carried out between May 2006 and January 2007 continued to find high dust levels at the monitoring locations. This indicates that the dust sources within the industrial estate were contributing to the high levels measured when the site was operational.

Since the site reopened dust monitoring has been carried out monthly from January to August 2009 at three locations. The dust deposition limit was exceeded at one monitoring location on the northern boundary in January, March, April, May, June and July. Following the implementation of dust mitigation measures the results improved and were below the limits in August and September 2009. The levels recorded in the other two locations consistently complied with the limit. The other activities in the Industrial Estate are sources of dust and are most likely to be contributing to the levels recorded at the site. There have been no complaints about dust emissions from the site.

## **Article 12 (1) (l) Details and Assessment of the Effects of Emissions on the Environment & Mitigation Measures**

### *Surface Water*

The metal and scrap vehicle processing will not result in any new discharge to surface water. The volume of rainwater run-off to the surface water sewer has been reduced as most of the open yard now drains to the foul sewer. Recent monitoring has found that the run-off is generally of good quality. The current Licence does not require surface water monitoring, but the Licensee proposes to do so four times a year. In addition, a surface water management plan has been prepared that covers regular checking, clearing and cleaning of manholes, gullies and the oil separator.

### *Foul Sewer*

The foul water drainage system has been changed. The current Licence allows for drainage from the floor of the main building and a vehicle wash to discharge to the municipal foul sewer. Vehicle washing and floor wash downs are no longer carried out and rainfall on the main process yard has been directed to the foul sewer. The monitoring of the discharge has confirmed that it complies with the limits set in the Licence.

### *Dust*

The current and proposed operations have not and will not have any measurable impact on dust levels in the vicinity of the facility. Monitoring carried out while the site was closed found that dust levels measured at the site continued to exceed the limits set in the Licence. The site is in a commercial/industrial area and the sensitivity of adjoining lots in the industrial estate to dust impacts is limited. The operator has a dust control plan which includes regular yard cleaning and damping down the yard in dry weather.

### *Noise*

Noise monitoring carried out after the site reopened has shown that noise levels are not impacting on the nearest noise sensitive location, Tallaght Hospital. There are no other noise sensitive locations within 400m of the facility. The current noise levels are also generally lower at the site boundary than those recorded before the site temporarily closed in 2006.

## **Article 12 (1) (m) Monitoring and Sampling Points & Consequences of such emissions**

### *Dust*

Dust will be monitored monthly at three locations on the property boundary.

### *Noise*

Noise will be monitored twice a year at the nearest noise sensitive location and site boundary locations.

### *Surface Water*

The surface water discharge from the oil separator will be monitored four times a year. As the discharge will be linked to rainfall and therefore not continuous, grab samples will be collected.

### *Waste Water*

The wastewater discharge from the oil water separator will be monitored four times a year basis. As the discharge will be linked to rainfall and therefore not continuous, grab samples will be collected.

The effects of the emissions have been described in Article 12 (1) (l) above.

## **Article 12 (1) (n) Prevention and Recovery of Waste**

Waste oils and batteries recovered during de-pollution of the scrap vehicles will be collected and sent off-site for recovery.

## **Article 12 (1) (o) Off-site Treatment or Disposal of Solid or Liquid Wastes**

Wastewater from the site offices, canteen and toilets and run-off from the yard area is discharged to the foul drainage system. This drainage system is connected to the Council's foul sewer.

### **Article 12 (1) (p) Emergency Procedures to Prevent Unexpected Emissions**

Greenstar have prepared an Emergency Response Procedure to deal with any emergency that may occur, including a fire and oil spills. The Procedure will ensure a rapid response to any incident by trained staff and minimise the impact on the environment.

### **Article 12 (1) (q) Closure, Restoration and Aftercare of the Site**

The majority of the site is either paved or occupied by buildings. It is not anticipated that the waste processing will cease in the medium to long term. If the site has to close, this will be done in accordance with a Decommissioning Plan agreed with the Agency. The plan may include for environmental monitoring to continue after the closure.

### **Article 12 (1) (s) Control of Major Accident Hazards involving Dangerous Substances Regulations**

The facility is not subject to these Regulations.

### **Article 12 (1) (t) Emissions to Aquifer**

The activity will not result in emissions of dangerous (List I and II) substances to an aquifer.

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