

For Jim M.  
FYI  
From Mark Wilson

**TO:** Dennis O'Neil  
**FROM:** Mark G. Wilson  
**DATE:** November 1992  
**SUBJECT:** St. Johns Landfill Subarea 1 Seeding - Fall 1992

**ST. JOHNS LANDFILL SUBAREA 1: PRAIRIE SEEDING**

**I. SEEDING CHRONOLOGY**

SEPTEMBER 18, 1992 MEETING Mark Wilson with Keith Hopkins and Ben Fox at Hobbs & Hobkins (H - H)

**Summary:** Seed order incomplete (H - H)  
FEid: 10 lbs short  
ERum: 4 oz short  
BAsa: 4 oz short  
LUpo: not purchased-substitute LUal

Mark G. Wilson will order missing/short species [all delivered by Sept. 24 to L&L Grading]

Ben Fox stated he was unaware of specified seeding warranty, sequencing schedule, and addendum (all within construction document)

SEPTEMBER 21, 1992, MEETING; (pre-construction meeting at SJL); attendees: Ben Fox, J Beck; P Fishman; W Jarrell; S Blomberg; M Wilson.

**Summary:** [see P Hillman notes]

SEPTEMBER 24, 1992, MARK WILSON SITE INSPECTION; planned seeding of approximately 10 acres of SA 1 postponed due to rain. MEETING with Jim Morgan, S Blomberg, Pete Hillman.

**Summary:** Discussion of seeding conditions inspection of soil prep. on SA 1 revealed poor mixing of compost into imported soil beneath. Another problem noticed was in areas abutting road and the 1:1 slopes above drainage ditches have been rolled flat. Discussion of planned erosion control problems(?) to be used. Recommend biodegrade w/o plastic.

Telephone conversation: concerns about poor soil mixing and import soil compaction discussed with P Fishman, W Jarrell, and P Hillman. W. Jarrell FAX on subject to P Hillman. P Hillman assurance that seeding to be delayed until Monday, Sept. 29.

SEPTEMBER 27, 1992, MARK WILSON SITE INSPECTION; P Hillman, W Jarrell approx. 10 acres found to be seeded without correction of poor mixing problem. PMX wants to use plastic reinforced erosion control mat on 1:1 slope areas. Mark G Wilson to investigate alternatives. (biodegradable alternatives not available at same cost)

SEPTEMBER 28, 1992, MARK WILSON SITE INSPECTION; P Hillman, J Beck discussion of solution to compaction and poor soil mixing - recommendation to use heavier disc pulled buy cat - will inspect tomorrow. Seeding planned 9/29 pm on additional SA 1 area with Regreen. Seeding of 10 acre area done Friday, 9/25 (rain 9/25 & 9/26) - tracked 9/28 (inspected). Discussion of solution to erosion prone 1:1 slopes at base of SA 1 - suggested procedure (discussed by P Hillman, Jerry (B Fox) & J Beck) is as follows: (step 1) hydroseed 10% mulch & Regreen; (step 2) hydrospray additional 90% mulch with cereal straw additional on top of step 1.

SEPTEMBER 28, 1992; MARK WILSON SITE INSPECTION; small disc broke . . . worked out covercrop area technique with covercrop disc pulled by D6 (at disc cut top 8" (+/-) mixing compost and soil well.)

9/29	MARK WILSON SITE INSPECTION:	Regreen seeding
9/30	MARK WILSON SITE INSPECTION:	South Xeric seeding
10/2	MARK WILSON SITE INSPECTION:	North Xeric seeding
10/10	MARK WILSON SITE INSPECTION:	Mesic seeding
10/12	MARK WILSON SITE INSPECTION:	Xeric/Erosion Plot seeding
10/13	MARK WILSON SITE INSPECTION:	1/2 Mesic/Erosion Plot seeding
10/15&16	MARK WILSON SITE INSPECTION:	Check dam construction/Erosion log placement
10/19	MARK WILSON SITE INSPECTION:	1/2 Mesic/Erosion Plot seeding

## **II TWO STAGE HYDRO PROCEDURES: Xeric/Mesic Test Plots**

### **I Prep:**

1. Deep disc with covercrop disc
2. Float with tractor drawn leveler

### **II Seeding:**

1. Hand seed Regreen/Lupine mix over entire area (.75 acre)
2. Hand seed grass mix over entire area (.75 acre)

### **III Hydromulch:**

1. Apply 400 lb mulch and tackifier/1500 gal water mixed with forbs and 35lbs fertilizer over entire area (.75 acre)

### **IV Hydromulch:**

1. Apply 1000 lb/ 3000 gal/ mulch/tackifer over entire area (.75 acre)

### **NOTE:**

Same procedures followed for xeric and mesic erosion test plots.

### III BROADCAST TRACK PROCEDURES: Xeric/Mesic Test Plots

#### I Prep:

1. Deep disc with covercrop disc.
2. Float with tractor drawn leveler.

#### II Seeding (Large seed species):

Hand seed in 2 loads over entire area (.75 acre)

1. Regreen + Lupines
2. Grass mix

#### III Harrow:

1. Against slope (on contour) with light screen harrow

#### IV Seed (Small seed species):

1. Hand seed Forbs with 35 lb fert. on surface over entire area (.75 acre)

#### V Track:

1. Against slope (on contour) with JD 650 Cat

#### **NOTE:**

Same procedures followed for xeric and mesic erosion test plots.

# GRASSES

## WHEAT x WHEATGRASS HYBRID

VARIETY	LOT NO.	GERM %
404	5428201	92%
PURITY 99.00%		DATE TESTED
OTHER CROP SEEDS .00		8-91
INERT MATTER .95%		ORIGIN
WEED SEED .05%		MT
NOXIOUS WEED SEED .00%		

NET WEIGHT 50 LBS.

APPROX  
SEEDS/LB  
10500

### Regreen.

*Stipa*

VARIETY *Stipa comata*  
LOT # 7375  
GERMINATION % 81%  
TZ TEST  
CERTIFICATION  
5\*

YEAR 9/91  
PURITY 75.86%  
X-RAY  
SEED ZONE  
MT. ♡

VARIETY *Stipa secunda*  
LOT # *KQG-1*  
GERMINATION % 77%  
TZ TEST  
CERTIFICATION  
9\* B

YEAR 3/92  
PURITY 80.10%  
X-RAY  
SEED ZONE  
MT.

*Sitanion*

VARIETY *Sitanion hystrix*  
LOT # 350  
GERMINATION % 97%  
TZ TEST  
CERTIFICATION  
9\* B

YEAR 7/92  
PURITY 93.71%  
X-RAY  
SEED ZONE  
WT.

**S&S SEEDS**

P.O. Box 1275, 5690 Casitas Pass Road  
Carpinteria, CA 93013 U.S.A.  
phone: 805/684-0436 fax: 805/684-2798

**SPECIES: BROMUS CARINATUS/CALIFORNIA BROME**

**LOT NO.: SC-UPCFM3647**

**WEIGHT: 8.0 LBS  
(1 BAG)**

**DATE SHIPPED: 8/13/92**

**PURITY: 98.42%**

**GERMINATION: 89%**

**CROP SEED: .00%**

**HARD SEED:**

**INERT MATTER: 1.10%**

**TOTAL GERM: 89%**

**WEED SEED: .48%**

**TEST DATE: 10/91**

**NOXIOUS WEEDS: NONE**

**SELL BY: 01/93**

**ORIGIN: CA**

**S&S SEEDS**

P.O. Box 1275, 5690 Casitas Pass Road  
Carpinteria, CA 93013 U.S.A.  
phone: 805/684-0436 fax: 805/684-2798

**SPECIES: ELYMUS GLAUCUS ANDERSON/BLUE WILDRYE**

**LOT NO: SC-UZDSN1845/91AEG01**

**WEIGHT: 24.0 LBS  
(1 BAG)**

**DATE SHIPPED: 08/13/92**

**PURITY: 99.84%**

**GERMINATION: 89%**

**CROP SEED: .12%**

**HARD SEED:**

**INERT MATTER: .04%**

**TOTAL GERM: 89%**

**WEED SEED .00%**

**TEST DATE: 07/91**

**NOXIOUS WEEDS: NONE**

**SELL BY: 10/92**

**ORIGIN: CA**

**See reverse side for Warranty and California Nursery Stock Certificate.**

**Pacific  
Coast Seed**  
INC

7074 D Commerce Circle Pleasanton, CA 94588 (510) 463-1188

PRODUCT NAME: .FESTUCA RUBRA "MOLATE"  
 LOT #: 91MB01/CA  
 TESTED 3/92  
 HOBBS & HOPKINS.

PURITY 97.63  
 NAME PURE SEED  
 GERM HARD TOTAL DATE  
 CROP 0.85 INERT 1.52 WEED 0.00 ORIGIN CA NO NOXIOUS WEED  
 IN CALIFORNIA SELL BY 06/01/93 NT.WT. 16.00 LB.

U

**Idaho Fescue**

%Pure Seed	Variety	Germ
90.16		72%
4.87	% Other Crop	Test Date 8-92
4.60	% Inert	Net Wt. 50 lb
0.37	% Weed Seed	Lot# 074-2459

0.00 noxious weeds

**Hobbs & Hopkins, Ltd.**

Portland, OR 97214

FORBS

VARIETY *Erigonum umbellatum*  
 LOT # *91050*      YEAR *'81*  
 GERMINATION %      PURITY *93%*  
 TEST *90 T.2.*      X-RAY  
 ORIGIN      SEED ZONE  
*2F*      *S.I.D.*

*Frosty Hollow*  
Box 53, Langley, WA 98260

# 22-92

LUPINUS SERICEUS

13 1/2 lb

*Silky Blue*

Granite Seed Company 1697 W. 2100 N.  
Lehi, UT 84043

ASTER CHILENSIS PACIFIC ASTER

Kind: ASCH      Lot No.: 11876  
 Variety: VNS      Origin: UT  
 Pure Seed: 58.26%      Germ + Hard: 85 + 0  
 Other Crop: 0.21%      Date Tested: 10/22/91  
 Inert: 41.33%      Bulk Weight: 0.58  
 Weed Seed: 0.20%      PLS Weight: 0.25  
 Restricted Weed: None

SUARANTEE: Granite Seed guarantees its seed to be of promised quality and true to name as specified. Should seed prove to be other than labeled, liability shall be limited to replacement or refund of purchase price.

Granite Seed Company 1697 W. 2100 N.  
Lehi, UT 84043

BALSAMORHIZA SAGITTATA ARROWLEAF BALSAMROOT

Kind: BACA      Lot No.: 10987  
 Variety: VNS      Origin: UT  
 Pure Seed: 91.84%      Germ + Hard: 85 + 0  
 Other Crop: 0.01%      Date Tested: 09/20/91  
 Inert: 8.15%      Bulk Weight: 0.25  
 Weed Seed: 0.00%      PLS Weight: 0.20  
 Restricted Weed: None

Granite Seed Company 1697 W. 2100 N.  
Lehi, UT 84043

ERIGONUM UMBELLATUM SULFUR BUCKWHEAT

Kind: ERUM      Lot No.: 11608  
 Variety: VNS      Origin: UT  
 Pure Seed: 99.04%      Germ + Hard: 90 + 0  
 Other Crop: 0.72%      Date Tested: 07/01/92  
 Inert: 0.22%      Bulk Weight: 0.25  
 Weed Seed: 0.02%      PLS Weight: 0.22  
 Restricted Weed: None

SUARANTEE: Granite Seed guarantees its seed to be of promised quality and true to name as specified. Should seed prove to be other than labeled, liability shall be limited to replacement or refund of purchase price.



ESCHSCHOLTZIA CAL POPPY ORANGE  
LOT # M7409  
GERM: 81%  
TEST DATE: 4/92  
NET WEIGHT: 1 LB

SEE OTHER SIDE

## DAEHNFELDT, INC

P.O. Box 947, Albany, Oregon 97321



### S&S SEEDS

P.O. Box 1275, 5690 Casitas Pass Road  
Carpinteria, CA 93013 U.S.A.  
phone: 805/684-0436 fax: 805/684-2798

SPECIES: LUPINUS BICOLOR

LOT NO: SA-OGKCM2780

WEIGHT: 8.0 LBS  
(1 BAG)

DATE SHIPPED: 08/13/92

PURITY: 99.85%

GERMINATION: 11%

HARD SEED: 77%

CROP SEED: 0.00%

TOTAL GERM: 88%

INERT MATTER: 0.01%

TEST DATE: 10/91

WEED SEED: 0.14%

NOXIOUS WEEDS: NONE

ORIGIN: CA

*Frosty Hollow*  
Box 53, Langley, WA 98260

See re

# 61-91/SP

ificate.

ERIOPHYLLUM LANATUM

10% of 241.7 gm (61-91/SP-A) Runway = 24 gm

10% of 6.6 gm (61-91/SP-B) H<sup>th</sup> + Quant. H = .6 gm

10% of 246.2 gm (61-91/SP-C) West Legate = 24.6 gm

10% = 49.2 gm